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ANNUAL REPORTS, WAR DEPARTMENT

FISCAL YEAR ENDED JUNE 30, 1922

REPORT OF THE U.S. CHIEF OF ENGINEERS

U. S. ARMY

1922

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COMMERCIAL STATISTICS FOR THE CALENDAR YEAR 1921

COMPILED BY THE STATISTICAL DIVISION, BOARD OF ENGINEERS FOR RIVERS AND HARBORS

416946

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INDEX TO CONTENTS.

	Page.
Introduction	VII
Water-borne commerce of the United States during the calendar year 1921	1
Table No. 1. Comparative statement of the total water-borne commerce of the United States by calendar years	3
Table No. 2. Commerce of ports, by grand divisions	3
Table No. 3. Commerce on the rivers, canals, and connecting channels, by grand divisions	4
Table No. 4. Summary showing total water-borne commerce, by grand divisions, eliminating all known duplications	4
Table No. 5. Commerce of Atlantic, Gulf, and Pacific ports	5
Table No. 6. Commerce of the ports on the Great Lakes	11
Table No. 7. Ferry traffic and cargoes in transit at Atlantic, Gulf, Pacific, and Lake ports	14
Table No. 8. Commerce on rivers, canals, and connecting channels	16
Table No. 9. Commerce on the canals and connecting channels	24
Table No. 10. Ferry traffic and cargoes in transit on rivers, canals, and connecting channels	26
Table No. 11. Commerce of ports, segregated by classes of commodities and grand divisions	27
Table No. 12. Commerce on rivers, canals, and connecting channels, segregated by classes of commodities and grand divisions	28
Table No. 13. Commerce of ports, separated into bulk and package	29
Table No. 14. Passengers carried by water	30
Tables Nos. 15 to 29, inclusive. Receipts and shipments of principal commodities	31
Comparative statements of commerce for preceding years and detailed commerce for the calendar year 1921	39

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INTRODUCTION.

In consequence of the increased interest in water-borne commerce and the great demand for information in relation thereto, it was decided in 1919 to publish in a separate volume of the annual report the commercial statistics which had previously been printed with reports of the district engineers in the annual report of the Chief of Engineers. The present compilation is the third edition of commercial statistics and covers the calendar year 1921. The separate publication of this information not only affords greater convenience to the reader, but also secures increased economy in the printing and distribution of the report and conserves the supply of those volumes devoted to other subjects.

Statistics published prior to 1919 were confined to localities under improvement by the United States, but since that time the information has been extended to include many other localities. The data have been compiled under a uniform plan which permits the preparation of summaries by geographical divisions, commodities, and classes. Summaries have also been prepared showing the total foreign and domestic traffic and the tonnage and value of the water-borne traffic of the United States, eliminating all known duplications. In addition, tables have been prepared showing the tonnage of important commodities carried by water during the calendar year 1921.

It is the desire of the Chief of Engineers to make this publication of increasing usefulness and interest, and with this object in view improvements and extensions will be made from time to time for the purpose of making it of greater value in the solution of port and transportation problems.

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WATER-BORNE COMMERCE OF THE UNITED STATES DURING THE CALENDAR YEAR 1921.

COMMERCE OF ATLANTIC, GULF, AND PACIFIC PORTS DURING THE CALENDAR YEAR 1921.

The figures show a total of 31,630,363 tons of imports valued at $1,872,684,664, and a total of 48,521,385 tons of exports valued at $3,830,995,872, making a grand total of 80,151,748 tons of foreign commerce valued at $5,703,680,536. The average value of the imports was $59 per ton and that of the exports about $79.

The coastwise receipts amounted to 45,679,052 tons valued at $2,808,500,354, an average of $61 per ton, while the coastwise shipments amounted to 44,810,109 tons valued at $2,619,587,551, with an average value of $58. It will be noted that the receipts and shipments do not balance, which is probably due in great measure to the fact there is more or less overlapping in the tables showing the commerce at ports and the commerce on rivers and other waterways. A shipment from a port may have its destination in a river, and vice versa, so that in practice the coastwise receipts and shipments will not agree.

Other domestic commerce amounted to 140,178,176 tons valued at $6,815,369,836, having an average value of $48 per ton. The total domestic commerce at Atlantic, Gulf, and Pacific ports was 230,667,337 tons valued at $12,243,457,741.

The grand total of all commerce at these ports was 310,819,085 tons, valued at $17,947,138,277, representing an average value of $58 per ton. After eliminating all known duplications the net total tonnage was 195,485,417, with a value of $11,825,409,406.

COMMERCE OF THE GREAT LAKES DURING THE CALENDAR YEAR 1921.

The figures show a total of 3,994,407 tons of imports valued at $127,705,809, and a total of 8,518,453 tons of exports valued at $105,934,351, making a grand total of 12,512,860 tons of foreign commerce valued at $233,640,160. The average value of imports was $32 per ton, and that of the exports $12.

The domestic receipts amounted to 58,179,713 tons valued at $754,359,242, and shipments to 59,043,149 tons valued at $692,393,264. The average value of both the receipts and shipments was about $12 per ton. Other domestic commerce, consisting principally of sand, gravel, and fish, amounted to 671,758 tons valued at $1,508,029.

The total domestic commerce was 117,894,620 tons valued at $1,448,260,535, and the grand total of all commerce was 130,407,480 tons valued at $1,681,900,695. After eliminating all known duplications the net total tonnage on the Great Lakes was 71,460,170 tons valued at $957,770,428.

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COMMERCE OF RIVERS, CANALS, AND CONNECTING CHANNELS DURING THE CALENDAR YEAR 1921.

The statement of commerce during the calendar year 1921 on rivers, canals, and connecting channels has been separated into bulk and package in order to show the relative proportions of high-class and low-class freight transported on our inland waterways. Obvious repetitions of the same commerce have been omitted, but there are some duplications of traffic which it is impossible to eliminate. For example, the commerce of the Ohio River appears under that stream, but an unknown part of this traffic is also included in the figures given for the commerce of the Lower Mississippi. The commerce passing through St. Marys Falls Canal has been taken as representing the traffic through the ship channel connecting the waters of the Great Lakes because this is the only point for which detailed statements of the traffic of the connecting channel are given. The term "bulk" freight includes commodities handled loose or in cargo lots consisting principally of coal, coke, iron ore, lumber and pulpwood, grain, ice, oil, phosphate and other fertilizer materials, sand, stone, gravel, etc. In some instances fish, oysters, and oyster shells have been included in bulk freight. "Package" freight includes all commodities in crates, boxes, bags, or otherwise assembled.

The total bulk freight amounted to 118,455,625 tons, valued at $1,134,227,053, averaging $9.50 per ton, and package freight 10,180,158 tons valued at $1,306,183,630, having an average value of $128 per ton. The total commerce on the rivers, canals, and connecting channels was 128,635,783 tons, valued at $2,440,410,683, averaging $19 per ton.

After eliminating all known duplications, the total tonnage was 40,045,556, valued at $833,578,608.

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TABLE No 1.—*Comparative statement of the water-borne commerce of the United States, eliminating all known duplications, by calendar years.*[1]

[Quantities expressed in short tons.]

Year.	Ports on Atlantic, Gulf, and Pacific coasts.				Ports on the Great Lakes.				Rivers, canals, connecting channels.				Grand total, foreign and domestic.	
	Foreign traffic.		Domestic traffic.		Foreign traffic.		Domestic traffic.		Foreign traffic.		Domestic traffic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
1920	100,384,206	$9,741,639,067	114,557,241	$7,402,577,058	12,388,707	$255,277,343	98,750,979	$1,150,834,264	(2)	(2)	43,187,893	$960,168,763	369,269,026	$19,510,496,495
1921	89,151,748	5,703,680,536	115,333,669	6,121,728,870	12,512,860	233,640,160	58,947,310	724,130,268	631,735	$6,452,664	39,413,821	827,125,944	306,991,142	13,616,758,442

[1] No statement can be made for years prior to 1920 when the present method of presenting statistics was inaugurated.
[2] Foreign traffic not separated from domestic traffic.

TABLE No. 2.—*Commerce of ports during the calendar year 1921.*

[Quantities expressed in short tons.]

Grand divisions.	Foreign.				Domestic.		Grand total.		Adjusted total.[1]	
	Imports.		Exports.							
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Atlantic coast	18,161,399	$1,327,065,887	26,240,147	$2,434,761,125	173,253,840	$9,928,447,638	[2] 217,655,386	[2] $13,690,274,650	131,028,466	$8,726,050,831
Gulf coast	11,597,439	227,582,078	16,510,701	1,072,660,468	19,667,429	665,661,422	47,775,569	1,965,853,968	37,941,854	1,633,023,257
Pacific coast	1,871,525	318,086,699	5,770,537	323,574,279	37,746,068	1,649,348,681	45,388,130	2,291,009,659	26,515,096	1,466,335,318
Great Lakes	3,994,407	127,705,809	8,518,453	105,934,351	117,894,620	1,448,260,535	130,407,480	1,681,900,695	71,460,170	957,770,428
Grand total	35,624,770	2,000,390,473	57,039,838	3,936,930,223	348,561,957	13,691,718,276	441,226,565	19,629,038,972	.....	.....
Adjusted total	35,624,770	2,000,390,473	57,039,838	3,936,930,223	174,280,978	6,845,859,138	.....	.....	266,945,586	12,783,179,834

[1] The adjusted total eliminates all known duplications and is ascertained by adding one-half of the total domestic commerce to the total foreign commerce.
[2] Exclusive of 631,606 tons of foreign imports valued at $6,451,919, and 129 tons of exports valued at $745, credited to the rivers on the Atlantic coast and included in Table No. 3.

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TABLE No. 3.—*Commerce on the rivers, canals, and connecting channels of the United States during the calendar year 1921.*[1]

[Quantities expressed in short tons.]

Grand divisions.	Bulk freight.						Package freight, miscellaneous.		Total commerce.		Adjusted total.[2]	
	Miscellaneous.		Rafted and floated timber.		Total bulk freight.							
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Atlantic coast	15,480,560	$166,475,575	497,462	$2,456,339	15,978,022	$168,931,914	2,700,177	$425,091,609	18,678,199	$594,023,523	9,339,099	$297,011,760
Gulf coast	2,622,259	26,246,794	1,994,658	9,814,564	4,616,917	36,061,358	453,692	58,081,225	5,070,609	94,142,583	2,535,305	47,071,296
Mississippi River and tributaries	39,304,045	237,494,699	957,968	5,597,218	40,262,013	243,091,917	4,088,973	469,917,873	44,350,986	713,009,790	22,175,493	356,504,895
Pacific coast	2,056,745	13,937,535	4,090,198	23,130,175	6,146,943	37,067,710	1,603,811	133,589,074	7,750,754	170,656,784	3,875,377	85,328,392
Interior rivers and other waterways	517,701	1,957,176	69,827	845,279	587,528	2,802,455	33,351	2,148,360	620,879	4,950,815	310,439	2,475,407
Canals and connecting channels	49,892,679	640,904,623	971,523	5,367,076	50,864,202	646,271,699	1,300,154	217,355,489	52,164,356	863,627,188	1,809,843	45,186,858
Grand total	109,873,989	1,087,016,402	8,581,636	47,210,651	118,455,625	1,134,227,053	10,180,158	1,306,183,630	128,635,783	2,440,410,683	.....	.....
Adjusted total	31,051,094	235,536,534	4,290,818	23,605,325	35,341,912	259,141,860	4,703,644	574,436,748	.....	.....	40,045,556	833,578,608

[1] Rivers having foreign commerce are included under ports.

[2] The adjusted total eliminates all known duplications and is ascertained by excluding the traffic of St. Marys Falls Canal and Keweenaw Waterway from the total under the grand division, "Canals and connecting channels," since this traffic has already been credited as receipts and shipments at lake ports. The remainder, or 3,619,686 tons valued at $90,373,721, is then added to one-half of the totals for the other grand divisions.

TABLE No. 4.—*Summary showing total water-borne commerce of the United States during 1921, eliminating all known duplications.*

[Quantities expressed in short tons.]

Grand divisions.	Foreign.		Domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Ports on Atlantic, Gulf, and Pacific coasts	80,151,748	$5,703,680,536	115,333,669	$6,121,728,870	195,485,417	$11,825,409,406
Ports on the Great Lakes	12,512,860	233,640,160	58,947,310	724,130,268	71,460,170	957,770,428
Rivers, canals, and connecting channels	631,735	6,452,664	39,413,821	827,125,944	40,045,556	833,578,608
Grand total	93,296,343	5,943,773,360	213,694,800	7,672,985,082	306,991,143	13,616,758,442

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TABLE No. 5.—*Commerce of Atlantic, Gulf, and Pacific ports for the calendar year 1921.*

[Quantities expressed in short tons.]

NOTE.—Asterisk (*) preceding figures in column "Total commerce" indicates additional traffic, such as car ferry, general ferry, and cargoes in transit, shown in Table No. 7.

Grand divisions and localities.	Foreign.				Domestic.						Total commerce credited to ports.	
	Imports.		Exports.		Coastwise receipts.		Coastwise shipments.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
ATLANTIC COAST.												
Bar Harbor, Me.					29,903	$1,651,119	653	$170,600			30,556	$1,821,719
Rockland, Me.	108	$94,440	9,000	$204,750	79,811	3,378,402	20,502	2,096,966			109,421	5,774,558
Portland, Me.	198,729	19,709,954	592,243	45,320,435	1,556,320	23,165,048	22,589	2,759,472			2,369,881	90,954,909
Portsmouth Harbor, N. H.					98,754	916,838					98,754	916,838
Newburyport, Mass.					54,289	622,854					54,289	*622,854
Boston Harbor, Mass.	2,149,392	235,368,445	512,967	60,135,263	5,803,684	167,561,650	1,286,798	153,030,926			9,752,841	616,096,284
Kingston Harbor, Mass.	15,389	1,852,891			11,712	143,427					27,101	1,996,318
Gloucester, Mass.	3,684	298,595	1,725	102,556	67,391	3,085,645	18,553	3,755,967			91,353	7,242,763
Beverly, Mass.					260,085	6,438,844					260,085	6,438,844
Salem, Mass.					104,666	924,798					104,666	924,798
Lynn, Mass.	3,150	26,266			270,579	8,431,950	12,000	6,000,000			285,729	14,458,216
Plymouth, Mass.					51	8,925					51	8,925
Nantucket, Mass.					26,118	5,813,026	5,200	1,401,420			31,318	7,214,446
New Bedford and Fair Haven	4,863	265,409	1,835	1,015,550	751,360	54,380,634	81,766	54,902,001			839,824	110,563,594
Fall River, Mass.	139,087	1,165,027	20,884	417,680	838,432	45,014,176	547,529	104,376,872			1,545,932	150,973,755
Newport, R. I.					131,851	9,559,412	10,189	4,369,227			142,040	*13,928,639
Providence, R. I.	973,886	14,591,897	300	300,000	2,363,317	220,856,186	589,072	251,554,036			3,926,555	487,302,119
Block Island, R. I.					10,333	1,521,820	3,400	1,195,000			13,733	2,716,820
Great Salt Pond, R. I.					3,550	1,091,000	2,000	1,050,000			5,550	2,141,000
New London, Conn.					399,792	94,779,659	123,104	67,147,084			522,896	161,926,743
Branford, Conn.					17,605	140,361					17,605	140,361
New Haven, Conn.	11,943	122,942			1,042,738	59,618,610	67,392	35,571,771			1,122,073	*95,313,323
Milford, Conn.	118	3,149			4,158	57,356	2,108	43,200			6,384	103,705
Bridgeport, Conn.	3,945	76,859			703,762	40,554,534	54,712	19,466,018			762,419	*60,097,411
Norwalk, Conn.	7,527	338,350			94,455	1,197,540	13,124	115,791			115,106	1,651,681
Fivemile River Harbor, Conn.					101	9,120					101	9,120
Stamford, Conn.	1,405	28,500			187,312	14,662,296	11,364	7,103,699			200,081	21,794,495
Greenwich, Conn.	686	16,562			84,215	895,930	3,000	75,000			87,901	*987,482
Thames River, Conn., ports on					191,782	10,354,000	26,931	7,753,034			218,713	18,107,034
Stonington, Conn.					9,394	249,280					9,394	249,280
Westport Harbor, Conn. (Saugatuck River)					9,835	93,930					9,835	93,930

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TABLE NO. 5.—*Commerce of Atlantic, Gulf, and Pacific ports for the calendar year 1921*—Continued.

NOTE.—Asterisk (*) preceding figures in column "Total commerce" indicates additional traffic, such as car ferry, general ferry, and cargoes in transit, shown in Table No. 7.

Grand divisions and localities.	Foreign.				Domestic.						Total commerce credited to ports.	
	Imports.		Exports.		Coastwise receipts.		Coastwise shipments.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
ATLANTIC COAST—continued.												
Cos Cob Harbor, Conn					84,383	$747,486	200	$1,600			84,583	$749,086
Bristol, Conn					22,827	4,301,500	6,893	3,937,000			29,720	8,238,500
Tiverton, R. I	24,904	$148,127			10,369	145,769	28,733	310,000			64,006	603,896
Wickford Harbor, R. I					9,128	127,029	666	25,000			9,794	152,029
Port Chester, N. Y					30,822	72,555			150,129	$17,515,391	180,951	17,588,046
Mamaroneck, N. Y	164	4,141			5,520	5,520			39,441	1,467,606	45,125	1,477,267
Echo Bay, N. Y					7,411	18,789			76,695	4,644,592	84,106	4,663,381
New Rochelle, N. Y					24,715	39,810			89,590	559,089	114,305	598,899
Flushing Bay, N. Y	133	11,201			30,859	51,570			1,425,896	1,993,317	1,456,888	2,056,088
Hempstead, N. Y					61,974	411,611	2,413,335	2,584,294	28,477	40,422	2,503,786	3,036,327
Manhasset Bay, N. Y					375	766			135,164	165,378	135,539	166,144
Huntington, N. Y					43,227	223,668			685	900	43,912	224,568
Huntington Bay, N. Y							362,541	522,444	3,146	4,393	365,687	*526,837
Port Jefferson, N. Y					6,323	1,137,837	146,516	1,860,371			152,839	2,998,208
Mattituck, N. Y					49	1,566	1,275	42,500			1,324	44,066
Great South Bay, N. Y					11,031	339,650			3,228	96,676	14,259	436,326
Jamaica Bay, N. Y					22,339	1,093,677	249	6,000	181,146	3,816,115	203,734	4,915,792
Sheepshead Bay, N. Y									1,045	53,268	1,045	53,268
Oyster Bay, N. Y					1,130	11,370					1,130	11,370
New York, N. Y.:												
Bay Ridge and Red Hook Channels	815,385	167,121,371	1,552,137	$312,981,902	304,071	53,843,107	92,931	22,508,421	2,380,514	245,147,092		
Gowanus Creek Channel	3,615	113,730	266,995	67,153,814	157,480	859,898			2,411,599	28,087,958		
East River	1,330,984	134,801,848	1,272,077	239,252,192	734,813	41,060,132	728,091	188,936,183	28,005,169	1,277,149,292		
Buttermilk Channel	466,030	99,498,860	1,257,133	298,507,040					335,966	23,955,427		
Wallabout Channel					67,438	91,203	194,396		1,324,564	52,260,442		
Kill Van Kull, N. Y. and N. J.	1,048,301	26,081,884	663,770	42,180,005	4,500,073	86,593,806	267,298	9,123,399	5,004,875	306,788,319		
Newtown Creek	41,372	991,109			189,295	1,620,248	128,923	2,084,709	4,268,776	164,729,459		
Bronx River					94,722	84,362			323,131	1,829,799	[1]127,687,859	[1]*8,555,168,700
Harlem River	6,436	1,078,340			619,230	5,774,923	88,297	15,047	3,966,077	79,268,554		
Upper Bay, N. Y	147,878	41,287,410	314,227	41,010,603	75,335	697,710	2,182,600	18,094,680	7,964,791	130,083,494		
Hudson River Channel	1,220,138	292,519,070	3,421,700	655,741,858	1,936,538	437,408,361	1,763,296	394,413,350	26,826,776	2,206,036,575		
Arthur Kill, N. Y. and N. J.	974,598	17,840,003	27,724	395,866	396,358	20,237,925	2,257,286	30,340,565	7,982,560	198,766,348		
Raritan Bay			11,656	85,562	3,623	72,000	1,092,848	6,884,891	3,577,887	43,119,768		
Raritan River			10,854	108,540	3,921	27,078	4,332	11,500	565,965	38,150,734		
Gravesend Bay					11,434	137,208			1,570	112,726		

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Yonkers, N. Y.	509,512	49,496,605			15,653	139,700			601,552	55,537,105	1,126,717	105,173,410
Hastings, N. Y.	6,165	54,177	100	16,500	34,268	61,471			147,213	4,224,871	187,746	4,357,019
Dobbs Ferry, N. Y.					188	1,335			12,380	259,188	12,568	260,523
Irvington, N. Y.					2,088	40,589			12,536	109,595	14,604	150,184
Fort Slocum, N. Y.									11,282	2,231,638	11,282	2,231,638
Rye, N. Y.					162	360					162	360
Napeague Harbor, N. Y.									680	25,350	680	25,350
Rouses Point, N. Y.									1,043	136,883	1,043	*136,883
Sandy Hook Bay, N. Y.									45,383	2,641,931	45,383	*2,641,931
San Juan, P. R.	77,588	4,513,646	16,470	3,704,540	234,688	32,965,940	346,099	29,456,445			674,845	80,660,571
Tarrytown, N. Y.									74,151	1,604,839	74,151	1,604,839
Peekskill, N. Y.									95,530	5,438,121	95,530	5,438,121
Saugerties, N. Y.									21,470	1,381,705	21,470	1,381,705
Rondout, N. Y.									267,678	3,494,827	267,678	3,494,827
Burlington, Vt.	5,976	125,181							20,303	6,081,196	26,279	6,206,377
Plattsburg, N. Y.	426	29,820							3,525	1,450,988	3,951	1,480,808
Peconic Bay, N. Y.							4,150	249,000	5,608	289,000	9,758	*538,000
Gardiners Bay, N. Y.									678	45,387	678	*45,387
Sag Harbor, N. Y.					1,335	219,060	331	99,300	575	172,500	2,241	490,860
Greenport Harbor, N. Y.					6,543	208,916	12,705	505,139	5,206	215,847	24,454	*929,902
Southold Bay, N. Y.					75	4,715	2,339	16,922	728	2,137	3,142	23,774
Cutchogue Bay, N. Y.					426	4,906	292	1,600	2,490	149,400	3,208	155,906
Fort Pond Bay, N. Y.					97	10,395			397	47,089	494	57,484
Orient Harbor, N. Y.					2,855	44,742	9,150	141,854	1,889	256,474	13,894	445,070
Port Henry, N. Y.									2,919	40,778	2,919	40,778
Narrows of Lake Champlain, N. Y. and Vt.			60,816	482,528					3,654	17,607	63,970	*500,135
Otter Creek (ports on), Vt.	583	23,760									583	23,760
Newark Bay, N. J.	129,779	4,841,569	2,152	328,421	219,677	7,196,238			322,499	38,814,401	674,107	*51,180,629
Passaic River, N. J.	29,699	396,626			296,651	412,655			758,364	51,625,886	1,084,714	52,435,167
Keyport, N. J.							274	750	8,733	1,652,403	9,007	*1,653,153
Shoal Harbor and Compton Creek, N. J.					2,640	14,040			84,189	840,486	86,829	854,526
Cold Spring Inlet, N. J.					5,500	520,000	1,436	20,210			6,936	540,210
Philadelphia, Pa.	3,265,414	122,281,915	3,260,004	154,247,287	1,149,706	88,962,326	1,992,750	109,170,802	5,944,743	197,672,795	15,612,616	*672,335,075
Schuylkill River, Pa.	991,649	13,230,845	1,183,664	56,633,439	745,777	22,673,365	37,615	1,686,401	3,088,053	26,866,417	6,049,758	121,090,467
Marcus Hook, Pa.									6,841	1,415,855	6,841	1,415,855
Absecon Inlet, N. J.					5,639	534,844					5,639	534,844
Wilmington, Del.									463,408	222,800,144	463,408	222,800,144
Baltimore, Md.	2,484,039	41,124,310	3,596,733	153,133,324	395,562	48,465,274	1,085,905	25,436,911	4,370,607	308,639,040	11,911,846	*576,798,859
Queenstown, Md.									564	110,201	564	110,201
Claiborne, Md.									11,440	1,941,935	11,440	1,941,935
Tilghman Island, Md.									2,610	356,663	2,610	356,663
Cambridge, Md.									39,753	1,335,464	39,753	1,335,464
Crisfield, Md.									70,522	3,324,049	70,522	3,324,049

[1] This total includes commerce within the port itself, which in some cases is credited twice. For instance, intraport traffic credited to the Hudson River as a shipment may appear again as a receipt in the statistics for East River. Eliminating all known duplications, the total water-borne commerce of the port of New York, during the calendar year 1921, is found to be 82,627,133 tons, valued at $6,241,011,129, consisting of 14,853,010 tons foreign, valued at $2,438,751,007; 17,894,629 tons coastwise, valued at $1,320,920,706; 4,818,767 tons internal traffic, representing commerce with tributary waterways, valued at $167,181,846; and 45,060,727 tons of other domestic traffic, valued at $2,314,157,570, consisting of traffic handled with the port.

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TABLE No. 5.—*Commerce of Atlantic, Gulf, and Pacific ports for the calendar year 1921*—Continued.

NOTE.—Asterisk (*) preceding figures in column "Total commerce" indicates additional traffic, such as car ferry, general ferry, and cargoes in transit, shown in Table No 7.

Grand divisions and localities.	Foreign.				Domestic.						Total commerce credited to ports.	
	Imports.		Exports.		Coastwise receipts.		Coastwise shipments.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Norfolk, Va	243,589	$5,088,241	3,862,697	$161,813,494	562,527	$76,259,169	5,660,673	$135,947,460	1,294,187	$142,750,165	11,623,673	*$521,858,529
Newport News, Va	17,058	773,554	2,657,464	34,207,550	2,861	26,145	1,176,746	5,883,730	1,247	155,884	3,855,376	*41,046,863
Shallowbag Bay, N. C					3,439	334,199	1,564	177,543			5,003	511,742
Beaufort, N. C					26,618	638,708	3,975	335,243			30,593	*973,951
Morehead City, N. C					11,883	966,163	2,484	226,771			14,367	1,192,934
Wilmington, N. C	79,947	3,439,880	26,675	9,603,090	201,828	17,329,545	10,051	595,640	145,940	7,143,887	464,441	*38,112,042
Winyah Bay, S. C					1,120	200,140	34,833	2,022,018	21,288	1,331,857	57,191	3,554,015
Charleston Harbor, S. C., including Ashley River	50,109	3,299,196	514,421	11,076,585	472,470	58,613,804	315,988	35,115,164	156,273	36,349,793	1,509,261	*154,454,542
Savannah, Ga	213,911	7,957,537	338,025	58,136,244	595,270	169,532,479	325,724	124,209,288	72,976	1,906,960	1,545,906	*361,742,508
Sapelo, Ga			4,166	68,000			3,140	48,000	13,306	191,000	20,612	307,000
Darien, Ga							24,294	596,800	84,307	1,464,700	108,601	2,061,500
Brunswick, Ga	33,762	1,181,000	240,390	10,711,000	196,058	7,798,000	189,899	8,821,000	120,713	3,737,600	780,522	*32,243,600
Fernandina, Fla	1,734	139,000	159,628	2,011,000			6,396	67,460	30,878	1,630,000	198,636	3,847,460
Jacksonville, Fla	245,588	4,147,118	360,459	10,449,819	537,277	33,551,492	633,717	24,762,057	147,961	6,026,265	1,925,002	78,936,751
Miami, Fla	53,022	1,422,452	9,107	479,242	46,530	3,630,080	10,744	1,501,425	212,922	1,354,957	332,325	8,388,156
Key West, Fla	128,019	8,043,085	11,449	2,745,498	367,531	14,294,790	2,200	2,304,268	5,879	182,813	515,078	*27,570,452
Total Atlantic coast	18,161,399	1,327,085,887	26,240,147	2,434,761,125	30,822,089	2,030,087,189	26,537,866	1,925,039,239	115,893,885	5,973,321,210	217,655,386	13,690,274,650
GULF COAST.												
Charlotte, Fla			89,708	448,540	620	37,200	199,323	996,615	13,925	698,822	303,576	2,181,177
Sarasota, Fla					1,803	170,649			3,266	267,256	5,069	437,905
Tampa, Fla.[2]	227,881	9,916,855	413,204	10,887,552	279,720	14,140,413	301,845	14,092,991	99,158	4,785,698	1,321,808	*53,823,504
St. Petersburg, Fla									24,877	3,011,023	24,877	*3,011,023
Carrabelle, Fla					5,305	640,114	3,449	425,759			8,754	1,065,873
Apalachicola, Fla					11,488	1,195,829	3,596	434,224			15,084	1,630,053
St. Josephs Bay, Fla			4,498	62,972	860	111,800					5,358	174,772
St. Andrews Bay, Fla	92	7,080	40,353	623,665	5,557	912,446	23,706	530,740	57,449	692,112	127,157	2,766,048
Pensacola, Fla	50,070	1,838,206	280,366	4,635,014	136,653	4,025,614	19,971	2,296,159			487,060	*12,794,993
Mobile, Ala	222,013	2,706,359	500,601	32,044,683	409,948	12,817,137	174,202	13,020,497	104,400	914,765	1,411,164	*61,503,441
Choctawhatchee Bay, Fla									63,406	1,481,995	63,406	1,481,995

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Escambia Bay, Fla.									10,263	160,380	10,263	160,380
Perdido Bay, Fla.							7,010	247,468			7,010	247,468
Pascagoula, Miss.			25,714	423,574	126,455	906,437	32,798	460,200			184,967	1,790,211
Gulfport, Miss.	35,399	445,210	255,828	3,618,590	42,726	447,760	2,714	108,869			336,667	4,620,429
Biloxi, Miss.					64,497	533,076	1,524	33,010			66,021	566,086
New Orleans, La.	4,665,870	110,283,079	6,465,386	422,926,436	302,698	27,421,770	268,605	29,580,896	3,420,477	135,292,137	15,123,036	*725,504,318
Barataria Bay, La.									206,770	8,064,614	206,770	8,064,614
Galveston, Tex.	3,862,078	68,244,432	3,674,488	376,648,582	535,831	55,277,185	505,862	84,811,769	322,294	774,253	8,900,553	*585,756,221
Texas City, Tex.	433,990	4,360,937	732,974	30,858,147	72,049	1,009,733	2,414,978	31,771,836	7,058	5,374	3,661,049	*68,006,027
Port Bolivar, Tex.			1,400	23,800							1,400	*23,800
Houston, Tex.	227,254	3,879,188	315,760	47,154,035	206,926	12,646,097	637,583	9,286,246	1,440,937	5,654,063	2,828,460	*78,619,629
Freeport, Tex.	148,682	849,100	21,806	364,217	672	67,200	35,170	482,304			206,330	*1,762,821
Port Aransas, Tex.	235,200	2,352,000	1	50	3,360	33,600			219,589	2,235,697	458,150	4,621,347
Sabine, Tex.	172,583	2,243,579	282,797	7,159,162	45,968	774,763	644,866	8,566,942			1,146,214	*18,744,446
Port Arthur, Tex.	806,290	13,775,572	1,749,004	57,691,957	39,882	7,690,523	4,094,250	124,141,648	362,074	2,751,096	7,051,500	*206,050,796
Beaumont, Tex.	510,037	6,630,481	1,540,119	72,596,395	8,664	112,632	858,799	29,775,063	67,059	628,437	2,984,678	109,743,008
Orange, Tex.			116,694	4,493,097			7,434	170,982	705,060	6,037,509	829,188	10,701,588
Total Gulf coast	11,597,439	227,532,078	16,510,701	1,072,660,468	2,301,682	140,971,978	10,237,685	351,234,218	7,128,062	173,455,226	47,775,569	1,965,853,968
PACIFIC COAST.												
Los Angeles, Calif.	153,793	11,962,067	893,955	17,236,088	1,465,162	114,163,479	2,740,542	64,856,492			5,253,452	208,218,126
San Luis Obispo, Calif.			153,513	1,772,377	10,396	762,290	874,230	10,697,045			1,038,139	13,231,712
San Diego, Calif.	2,246	408,352	7,781	906,631	591,889	14,072,856	9,901	1,564,316			611,817	*16,952,215
San Francisco, Calif.	586,593	94,751,215	1,173,325	119,857,512	2,619,068	150,045,887	411,459	41,145,900	3,592,278	359,227,800	8,382,723	*765,028,314
Oakland, Calif.	238,806	13,737,779	66,161	2,794,951	373,692	10,195,505	155	36,400	1,266,608	87,200,362	1,945,422	*113,964,997
Richmond, Calif.			[3] 336,530	[3] 17,676,410	[3] 2,360,348	[3] 38,540,467			18,880	3,170,423	2,715,758	59,387,300
San Pablo, Calif.	4,947	207,774	37,600	1,228,000	760,391	10,715,195			952,389	71,769,626	1,755,327	*83,920,595
Suisun Bay Channel, Calif.					247,144	4,460,522	674	125,000	271,714	14,685,742	519,532	*19,271,264
Monterey, Calif.					2,688	265,608	312,987	4,173,816			315,675	4,439,424
Crescent City, Calif.					7,434	371,700	22,205	907,000			29,639	1,278,700
Humboldt, Calif.			15,032	516,615	78,767	2,779,750	118,201	5,575,395			212,000	8,871,760
Coos Bay, Oreg.			4,949	59,388	18,912	1,326,187	249,345	3,343,774			273,206	4,729,349
Yaquina Bay, Oreg.					6,838	1,123,621					6,838	1,123,621
Tillamook, Oreg.									82,583	618,333	82,583	618,333
Nehalem Bay, Oreg.							638	28,456	45,953	440,723	46,591	469,179
Portland, Oreg. / Astoria, Oreg. / Vancouver, Wash.	29,107	5,800,652	1,709,212	70,860,000	1,227,805	58,549,234	667,155	28,018,030	3,702,923	47,090,103	7,336,202	*210,318,019
Grays Harbor, Wash.	393	2,948	103,679	1,175,028	24,350	1,869,742	508,149	5,773,884			636,571	8,821,602
Grays Harbor, inner portion									1,908,633	8,960,522	1,908,633	8,960,522
Willapa, Wash.			7,851	88,983	600	78,000	112,971	1,372,889	436,506	2,658,187	557,928	*4,198,059
Port Gamble, Wash.			677	13,543			22,311	252,180	54,339	465,610	77,327	731,333
Olympia, Wash.									332,804	3,028,829	332,804	3,028,829
Tacoma, Wash.	203,882	21,772,066	506,512	35,251,662	293,378	19,339,024	341,853	14,488,107	1,151,425	11,471,214	2,497,050	102,322,073
Seattle, Wash.	411,976	153,860,117	609,909	49,242,769	1,271,320	81,616,076	343,955	41,332,215	1,479,842	38,925,372	4,117,002	364,976,549
Everett, Wash.	12,191	71,751	19,050	291,881	1,900	228,000	163,760	2,003,914	751,416	5,131,121	948,317	7,726,667
Anacortes, Wash.	11,380	70,993	11	1,080	7,169	847,144	5,238	663,419	81,863	1,376,811	105,661	2,959,447
Bellingham, Wash.	43,242	245,543	30,428	756,941	15,073	2,737,410	106,220	3,237,499	319,632	5,405,807	514,595	*12,383,200
Blaine Harbor, Wash.	49,935	260,553	4,168	136,531	1,310	111,350	5,278	77,183	48,979	658,627	109,670	1,244,244

[3] Includes Port Tampa (Tampa Bay), Hillsboro Bay, and Hillsboro River.

* Traffic of Richmond outer harbor.

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TABLE NO. 5.—*Commerce of Atlantic, Gulf, and Pacific ports for the calendar year 1921*—Continued.

NOTE.—Asterisk (*) preceding figures in column "Total commerce" indicates additional traffic, such as car ferry, general ferry, and cargoes in transit, shown in Table No. 7.

Grand divisions and localities.	Foreign.				Domestic.						Total commerce credited to ports.	
	Imports.		Exports.		Coastwise receipts.		Coastwise shipments.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
PACIFIC COAST—continued.												
Port Angeles, Wash	9,086	$131,842	29,219	$427,954	23	$5,037	61,347	$2,540,228	76,758	$1,436,498	176,433	$4,541,559
Nome, Alaska	90	325,199	399	154,224	8,393	1,137,275	1,209	2,753,537			10,091	4,370,235
Honolulu, Hawaii	113,858	14,477,848	36,726	2,832,476	941,242	94,420,583	617,510	80,027,702			1,709,336	*191,758,609
Kahului, Hawaii					78,099	9,553,877	99,521	11,059,681			177,620	20,613,558
Hilo, Hawaii					133,362	16,418,814	154,081	15,857,135			287,443	32,275,949
Nawiliwili, Hawaii					6,620	1,232,056	2,188	449,920			8,808	1,681,976
Hoquiam River, Wash., ports on			12,939	146,523	1,908	474,498	61,517	697,187	414,375	1,848,937	490,739	3,167,145
Stillaguamish River, Wash., ports on									93,880	1,359,990	93,880	1,359,990
Port Townsend, Wash									8,202	958,564	8,202	*958,564
Port Ludlow, Wash			10,911	146,552			19,958	255,790	64,247	704,199	95,116	*1,106,641
Total Pacific coast	1,875,525	318,096,699	5,770,537	323,574,279	12,555,281	637,441,187	8,034,558	343,314,094	17,156,229	668,593,400	45,388,130	2,291,009,659
Grand total, Atlantic, Gulf, and Pacific coasts	31,630,363	1,872,684,664	48,521,385	3,830,995,872	45,679,052	2,808,500,354	44,810,109	2,619,587,551	140,178,176	6,815,369,836	310,819,085	17,947,138,277

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TABLE NO. 6.—*Commerce of the ports on the Great Lakes during the calendar year 1921.*

[Quantities expressed in short tons.]

NOTE.—Asterisk (*) preceding figures in column "Total commerce" indicates additional traffic, such as car ferry, general ferry, and cargoes in transit, shown in Table No. 7.

Grand divisions and localities.	Foreign.				Domestic.						Total commerce credited to ports.	
	Imports.		Exports.		Receipts.		Shipments.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Grand Marais, Minn					2,839	$199,954	4,661	$126,140			7,500	$326,094
Agate Bay, Minn					214,468	1,399,791	3,765,629	13,539,811			3,980,097	14,939,602
Duluth-Superior, Minn. and Wis	76,766	$2,870,576	143,325	$509,320	11,263,262	127,778,153	18,600,202	199,354,842			30,083,555	330,512,891
Port Wing, Wis					557	67,277	336	29,158			893	96,435
Ashland, Wis	29,340	146,700	89,920	285,296	633,132	4,691,243	2,450,859	8,810,945			3,203,251	13,934,184
Ontonagon, Mich					1,080	21,200					1,080	21,200
Keweenaw Waterway, Mich	5,517	627,850	2,245	628,600	607,701	5,691,062	39,802	7,621,591			655,265	*14,569,103
Marquette Bay, Mich			178,484	602,384			480,304	1,621,026			658,788	2,223,410
Marquette, Mich			10,202	34,482	177,527	1,310,833	239,100	806,962			426,829	2,152,227
Grand Marais, Mich					40	8,000					40	8,000
Manistique, Mich					16,165	89,700	3,100	56,200			19,265	*145,900
Menominee, Mich. and Wis					183,150	1,168,000	7,150	216,200			190,300	*1,384,200
Oconto, Wis					640	29,010	115	5,750			755	34,760
Green Bay, Wis	3,000	18,600			911,830	8,796,700	213,185	1,909,900	4,435	$21,700	1,132,450	10,746,900
Depere, Wis					14,295	109,620	72	1,200			14,367	110,820
Grand Portage, Minn					272	17,988	5,501	38,693			5,773	56,681
Washburn, Wis	4,964	340,689			90,000	596,875					94,964	937,564
Cornucopia, Wis					481	32,191	113	7,774			594	39,965
L'Anse, Mich			450	7,740			4,110	54,800			4,560	62,540
Baraga, Mich							4,379	52,100			4,379	52,100
Pequaming, Mich							14,106	248,678			14,106	248,678
Shelldrake, Mich					360	6,525	5,897	157,376			6,257	163,901
Munising, Mich							4,396	55,032			4,396	55,032
Bayfield Harbor, Wis							5,100	88,372			5,100	88,372
Algoma, Wis					1,055	30,850					1,055	30,850
Kewaunee, Wis					1,090	28,200	10	200			1,100	*28,400
Two Rivers, Wis					27,160	241,420					27,160	241,420
Manitowoc, Wis	3,031	121,240	37,588	822,440	315,388	2,126,780	42,070	1,231,560			398,077	*4,302,020
Sheboygan, Wis					430,699	3,789,540	6,204	6,200			436,903	3,795,740
Port Washington, Wis					442	63,970	40	830			482	64,800
Milwaukee, Wis	63,502	10,747,600	560,834	17,414,100	3,936,664	56,250,400	450,520	27,101,700			5,011,520	*111,513,800
Racine, Wis					236,008	3,707,150	6,543	1,293,600			242,551	5,000,750

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Table No. 6.—*Commerce of the ports on the Great Lakes during the calendar year 1921*—Continued.

Note.—Asterisk (*) preceding figures in column "Total commerce" indicates additional traffic, such as car ferry, general ferry, and cargoes in transit, shown in Table No. 7.

Grand divisions and localities.	Foreign.				Domestic.						Total commerce credited to ports.	
	Imports.		Shipments.		Receipts.		Shipments.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Kenosha, Wis.					20,690	$1,773,850	4,899	$2,041,850			25,589	$3,815,700
Waukegan, Ill.					139,227	3,411,600	2,473	865,550			141,700	4,277,150
St. Joseph, Mich.					12,152	3,100,400	66,695	4,496,400			78,847	7,596,800
South Haven, Mich.					13,350	787,400	7,829	1,029,450			21,179	1,816,850
Saugatuck, Mich.					2,615	9,100	1,898	113,900			4,513	123,000
Holland, Mich.					14,790	1,519,600	6,156	2,408,400			20,946	3,928,000
Grand Haven, Mich.					2,530	720,200	31,027	1,592,300			33,557	*2,312,500
Muskegon, Mich.	18,767	$148,300			266,563	12,691,100	24,608	5,922,600			309,938	18,762,000
White Lake, Mich.					1,757	71,850	83	34,800			1,840	106,650
Ludington, Mich.					91,220	2,850,000	124,583	6,751,800			215,803	*9,601,800
Manistee, Mich.					15,648	669,200	25,296	808,800			40,944	1,478,000
Portage Lake, Mich.					262	78,170	1,564	125,120			1,826	203,290
Arcadia, Mich.					11	3,300	25	1,875			36	5,175
Frankfort, Mich.					2,085	197,250	1,363	307,750			3,448	*505,000
Charlevoix, Mich.					14,245	455,800	4,708	292,400			18,953	748,200
Petoskey, Mich.					751	210,450	823	226,450			1,574	436,900
Pentwater, Mich.					27	5,000	1,200	96,000			1,227	101,000
Chicago, Ill.	13,917	634,844	718,377	$22,976,844	756,258	58,319,767	1,143,791	61,964,651			2,632,343	143,896,106
Calumet, Ill.	9,435	33,697	746,026	22,504,594	4,424,090	20,884,203	1,036,438	29,227,193			6,215,989	72,649,687
Indiana Harbor, Ind.					1,704,572	6,897,703	691,390	25,813,545			2,395,962	32,711,248
Michigan City, Ind.					3,715	755,875	1,450	253,750			5,165	1,009,625
Gary, Ind.					2,632,650	13,427,000					2,632,650	13,427,000
Mackinac, Mich.					7,847	625,935	535	120,375			8,382	746,310
Cheboygan, Mich.	300	63,000			17,178	341,160	1,732	235,281			19,210	639,441
Calcite, Mich.			24,343	12,297	25,756	134,280	3,453,161	2,010,452			3,503,260	2,157,029
Gladstone, Mich.	10,920	436,800			63,490	367,760	1,580	27,000			75,990	831,560
Escanaba, Mich.	1,580	63,200	94,170	466,300	228,290	1,518,860	1,946,820	9,010,860			2,270,860	11,059,220
Traverse City, Mich.					16,670	475,400	2,160	291,100			18,830	766,500
Alpena, Mich., including Bayshore					145,169	795,543	482,571	2,279,190			627,740	3,074,733
Harbor Beach, Mich.					18,272	118,047					18,272	118,047
Port Huron, Mich.:												
Black River, Mich.	30,996	247,969			48,330	161,016	50	11,250			255,416	2,444,649
St. Clair River at Port Huron	19,249	618,252	4,716	165,852	128,296	1,061,968	23,779	178,342				

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Detroit, Mich					1,387,745	22,222,580	88,544	19,483,875			2,318,639	44,580,052
Rouge River, Mich	74,586	572,033			767,764	2,301,564						
Toledo, Ohio	82,217	3,865,508	970,989	4,585,053	785,819	5,792,450	7,363,084	28,611,598			9,202,109	42,854,604
Port Clinton, Ohio					3,988	171,140	1,905	15,750			5,893	186,890
Sandusky, Ohio	295,614	333,419	207,740	1,054,910	202,786	1,586,151	1,721,080	10,552,439			2,427,220	*13,526,919
Huron, Ohio	2,912	1,966	293,232	1,407,514	625,772	3,284,600	1,292,715	6,255,302			2,214,681	10,949,382
Vermilion, Ohio					6,414	50,400					6,414	50,400
Lorain, Ohio	29,738	21,114	680,845	3,268,056	2,276,892	10,540,198	1,954,407	9,640,249			4,941,882	23,469,617
Cleveland, Ohio	186,020	889,103	1,284,084	6,370,241	3,336,634	41,335,101	1,393,624	42,138,910			6,200,362	90,733,355
Fairport, Ohio					1,945,310	14,612,698					1,945,310	14,612,698
Ashtabula, Ohio			728,379	3,496,219	2,243,707	11,636,512	2,822,051	13,695,158			5,794,137	*28,827,889
Conneaut, Ohio			59,988	287,942	5,968,923	30,441,507	1,434,817	6,911,845			7,463,728	*37,641,294
Put-in-Bay, Ohio					2,575	579,375	8,160	1,305,600			10,735	1,884,975
Kelleys Island, Ohio					1,035	232,875	19,676	556,450			20,711	789,325
Marblehead, Ohio					1,015	228,375	15,400	112,500			16,415	340,875
Erie, Pa	122,341	3,091,173	680,467	3,396,724	620,636	9,647,710	772,117	10,626,814	129,506	716,797	2,325,067	27,479,218
Dunkirk, N. Y									1,673	153,916	1,673	153,916
Buffalo, N. Y. (by lake)	2,676,240	98,128,628	545,683	11,337,356	6,933,448	228,719,534	3,877,980	102,189,054			14,752,184	466,403,336
Buffalo, N. Y. (by canal)					264,358	10,406,564	454,475	15,622,200				
Tonawanda and North Tonawanda, N. Y	72,215	1,733,155	125	600	442,032	2,846,808	166,233	186,716	536,144	615,616	1,216,749	*5,382,895
Charlotte, N. Y			1,504	9,463			75,526	463,534			77,030	*472,997
Great Sodus Bay, N. Y			65,690	348,583			94,922	474,390			160,612	822,973
Little Sodus Bay, N. Y			68,975	674,391			12,559	123,769			81,534	798,160
Oswego, N. Y	13,844	148,774	318,647	3,183,423	15,479	835,557	29,169	337,150			377,139	4,504,904
Cape Vincent, N. Y	1,246	96,372	1,292	12,206							2,538	*108,578
Ogdensburg, N. Y	110,884	744,935			219,806	2,050,475					330,690	*2,795,410
Saginaw River, Mich., ports on	33,722	808,578			20,518	203,140	14	2,392			54,254	1,014,110
Sault Ste. Marie, Mich					214,421	1,844,050	500	112,500			214,921	*1,956,550
Clayton, N. Y	264	58,934			1,828	22,575					2,092	81,509
Morristown, N. Y	1,054	43,129									1,054	*43,129
Alexandria Bay, N. Y	210	30,731	105	23,603	5,997	76,084					6,312	130,418
Lewiston, N. Y	16	18,940	28	47,868							44	66,808
Grand total Lake ports	3,994,407	127,705,809	8,518,453	105,934,351	58,179,713	754,359,242	59,043,149	692,393,264	671,758	1,508,029	130,407,480	1,681,900,695

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TABLE No. 7.—*Ferry traffic and cargoes in transit at Atlantic, Gulf, Pacific, and Lake ports during the calendar year 1921.*

NOTE.—Commerce included in this table is additional to that shown in Tables 5 and 6.

Grand divisions and localities.	Kind of traffic.					
	General ferry.		Car ferry.		Cargoes in transit.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Atlantic coast:						
Newburyport, Mass					26,804	$370,219
Fall River, Mass					1,648,009	22,750,426
Newport, R. I	136,216	$68,108,000			200,000	120,000,000
New Haven, Conn					12,000	80,000
Bridgeport, Conn					90,000	1,000,000
Greenwich, Conn	17,142	14,692,500				
Huntington Bay, N. Y					43,912	224,568
New York, N. Y.—						
Bay Ridge and Red Hook Channels			5,814,207	$1,744,262,100	2,815,613	129,791,901
Gowanus Creek Channel			397	119,100		
East River			8,693,377	2,608,013,100	18,767,647	897,680,983
Buttermilk Channel			53,623	16,086,900	760,366	54,483,231
Wallabout Channel			300,892	90,267,600		
Kill Van Kull, N. Y. and N. J			814,999	244,499,700	17,695,694	367,708,128
Harlem River	5,015	687,951			158	2,425
Upper Bay			6,705,919	2,011,775,700	44,075,517	3,479,921,316
Hudson River Channel			12,194,793	3,658,437,900	5,499,640	149,351,781
Arthur Kill, N. Y. and N. J			199	59,700	5,821,558	83,671,344
Raritan Bay					1,027,940	60,510,716
Raritan River					211,422	10,781,128
Gravesend Bay					243,060	2,737,911
Peconic Bay, N. Y					8,218	306,505
Gardiners Bay, N. Y					28,535	899,902
Greenport Harbor, N. Y					6,101	531,140
Narrows of Lake Champlain, N. Y. and Vt					143,739	5,466,891
Rouses Point, N. Y					197,062	5,093,878
Sandy Hook Bay, N. Y					25,598	5,520,631
Newark Bay, N. J					2,100,901	55,181,765
Keyport, N. J					1,086	2,650
Philadelphia, Pa			2,057,892	504,468,658	2,124,110	27,824,983
Baltimore, Md			574,828	16,963,478		
Norfolk, Va			3,229,864	336,021,011	4,188,406	504,997,651
Newport News, Va			303,501	23,425,725	1,968,414	257,055,325
Cape Charles City, Va			2,673,014	187,058,263		
Beaufort, N. C					45,246	1,398,546
Wilmington, N. C					63,812	6,770,520
Charleston Harbor, S. C., and Ashley River	19,507	478,500				
Savannah, Ga	25,869	15,521,400			599,623	77,325,023
Brunswick, Ga					51,107	5,437,250
Key West, Fla			356,119	46,142,266	481,083	51,747,439
Gulf coast:						
Tampa, Fla					64,471	3,996,070
St. Petersburg, Fla					6,150	1,301,460
Pensacola, Fla					700,170	61,238,160
Mobile, Ala					61,158	471,912
New Orleans, La	3,900,832	645,536,100			1,717,223	59,553,113
Galveston, Tex			371,350	22,799,760	696,717	120,116,524
Texas City, Tex					11,289	562,585
Port Bolivar, Tex			371,350	22,799,760		
Houston, Tex					33,047	4,430,988
Freeport, Tex					3,890	54,460
Sabine, Tex					9,729,173	316,477,350
Port Arthur, Tex					3,041,747	113,777,650
Pacific coast:						
San Diego, Calif					143,224	29,972,320
San Francisco, Calif	246,146		7,310,691			
Oakland, Calif	224,501		972,655			
San Pablo, Calif	24,888	1,200,000				
Suisun Bay Channel, Calif			91,473			
Portland, Oreg. Astoria, Oreg. Vancouver, Wash					373,450	39,219,900
Willapa, Wash			6,015	154,640		
Bellingham, Wash			138,142	2,814,160		

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TABLE NO. 7.—*Ferry traffic and cargoes in transit at Atlantic, Gulf, Pacific, and Lake ports during the calendar year 1921*—Continued.

Grand divisions and localities.	Kind of traffic.					
	General ferry.		Car ferry.		Cargoes in transit.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Pacific coast—Continued.						
Honolulu, Hawaii					1,240,680	$275,214,095
Port Townsend, Wash			136,200	$3,541,200		
Port Ludlow, Wash			10,655	142,274		
Great Lakes:						
Keweenaw Waterway, Wis					285,416	28,119,272
Manistique, Mich			229,880	9,905,000		
Menominee, Mich. and Wis			282,470	20,035,000		
Kewaunee, Wis			191,102	11,946,000		
Manitowoc, Wis			1,218,255	71,362,000		
Milwaukee, Wis			1,419,627	90,147,000		
Grand Haven, Mich			598,814	46,123,000		
Ludington, Mich			1,614,460	91,202,000		
Frankfort, Mich			1,128,061	66,070,000		
Sandusky, Ohio	18,655	$4,197,375				
Ashtabula, Ohio			602,530	8,389,005		
Conneaut, Ohio			343,176	3,058,959		
Tonawanda and North Tonawanda, N. Y					502,583	20,192,012
Charlotte, N. Y			498,899			
Cape Vincent, N. Y			520	136,314		
Ogdensburg, N. Y			597,070	107,683,787		
Sault Ste. Marie, Mich					48,259,254	746,134,195
Morristown, N. Y	261	129,277				
Waddington, N. Y		16,149				

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TABLE No. 8.—*Commerce on the rivers of the United States during the calendar year 1921.*

NOTE.—Asterisk (*) preceding figures in column "Total commerce" indicates additional traffic, such as general ferry, car ferry, and cargoes in transit, shown in Table No. 10.

Grand divisions and localities.	Bulk freight.						Package freight, miscellaneous.		Total commerce, receipts and shipments.	
	Miscellaneous.		Rafted and floated timber.		Total bulk freight.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
RIVERS.										
Atlantic coast:										
St. Croix River, Me	20,227	$325,565			20,227	$325,565	1,185	$296,250	21,412	$621,815
Penobscot River, Me	472,470	8,522,418			472,470	8,522,418	18,855	4,341,280	491,325	12,863,698
Georges River, Me. (Thomaston Harbor)	6,687	77,100			6,687	77,100	100	19,500	6,787	96,600
Kennebec River, Me	84,735	1,112,215			84,735	1,112,215	733	184,280	85,468	1,296,495
Saco River, Me	67,207	720,704			67,207	720,704			67,207	720,704
Merrimack River, Mass	26,804	370,219			26,804	370,219			26,804	370,219
Taunton River, Mass	1,648,009	22,750,426			1,648,009	22,750,426			1,648,009	22,750,426
Pawtucket River, R. I	184,909	3,383,468			184,909	3,383,468	24,567	17,466,903	209,476	20,850,371
Pawcatuck River, R. I	35,311	396,574			35,311	396,574			35,311	396,574
Warren River, R. I	25,767	394,168			25,767	394,168			25,767	394,168
Mystic River, Conn	26,519	405,089			26,519	405,089			26,519	405,089
Thames River. (*See* Ports.)										
Connecticut River, below Hartford, Conn	364,847	6,986,397			364,847	6,986,397	58,825	40,536,037	423,672	47,522,434
Housatonic River, Conn	140,526	4,357,445			140,526	4,357,445			140,526	4,357,445
Saugatuck River, Conn. (*See* Ports.)										
East Chester Creek, N. Y	248,595	2,948,965			248,595	2,948,965	13,288	446,552	261,883	3,395,517
Westchester Creek, N. Y	457,695	505,088			457,695	505,088	13,153	417,692	470,848	922,780
Wappinger Creek, N. Y	19,696	93,027			19,696	93,027	3,532	6,669,315	23,228	6,762,342
Hudson River, N. Y	4,005,653	29,860,037			4,005,653	29,860,037	1,208,650	115,637,578	5,214,303	*145,497,615
Browns Creek, N. Y	8,322	312,624			8,322	312,624	439	6,400	8,761	319,024
Hudson River, N. Y. (at Troy)	840,696	22,624,035			840,696	22,624,035	230,300	48,153,919	1,070,996	70,777,954
Coney Island Creek, N. Y	253,261	722,472			253,261	722,472	2,557	2,039,633	255,818	2,762,105
Hackensack River, N. J	1,358,409	9,034,471			1,358,409	9,034,471	104,616	2,191,867	1,463,025	11,226,338
Elizabeth River, N. J	40,033	150,504			40,033	150,504	6,956	400,160	46,989	550,664
Woodbridge Creek, N. J	5,359	52,319			5,359	52,319	23,200	1,100,183	28,559	1,152,502
South River, N. J	9,219	51,749			9,219	51,749	13,213	169,881	22,432	221,630
Cheesequake Creek, N. J	7,287	8,598			7,287	8,598	1,896	296,700	9,183	405,298
Matawan Creek, N. J	1,086	2,650			1,086	2,650			1,086	2,650
Cooper River, N. J	87,303	1,134,193			87,303	1,134,193	1,039	238,707	88,342	1,372,900
Woodbury Creek, N. J	33,463	39,523			33,463	39,523	20	8,000	33,483	47,523
Mantua Creek, N. J	95,218	595,902			95,218	595,902	25,184	479,505	120,402	1,075,407
Raccoon Creek, N. J	14,492	98,601			14,492	98,601	7,019	215,955	21,511	314,556

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Oldmans Creek, N. J.	7,820	39,450			7,820	39,450	2,971	52,106	10,791	91,558
Salem River, N. J.	6,935	82,800			6,935	82,800	2,181	84,365	9,116	167,165
Shrewsbury River, N. J.	19,445	65,108			19,445	65,108	14,433	7,439,328	33,878	7,504,436
Alloway Creek, N. J.	5,170	86,621			5,170	86,621	7,139	402,200	12,309	488,821
Cohansey Creek, N. J.	15,848	456,348			15,848	456,348	9,688	330,997	25,536	787,345
Maurice River, N. J.	120,010	2,272,646			120,010	2,272,646	2,435	188,400	122,445	2,461,046
Absecon Creek, N. J.	8,945	248,275			8,945	248,275	155	18,900	9,100	267,175
Tuckerton Creek, N. J.	9,444	321,730			9,444	321,730	1,107	115,000	10,551	436,730
Chester River, Pa.	6,994	62,250			6,994	62,250	2,679	129,019	9,673	191,269
Schuylkill River, Pa. (*See* Ports.)										
Delaware River, Philadelphia, Pa. to Trenton, N. J.	1,686,605	9,673,463			1,686,605	9,673,463	52,639	2,650,132	1,739,244	12,323,595
Appoquinimink River, Del.	3,701	39,612			3,701	39,612	1,016	47,900	4,717	87,512
Smyrna River, Del.	3,572	49,739			3,572	49,739	3,367	98,360	6,909	148,099
Toms River, N. J.	511	10,470			511	10,470	755	176,500	1,266	186,970
Leipsic River, Del.	8,360	224,357			8,360	224,357	2,436	62,409	10,796	286,766
Little River, Del.	4,125	93,414			4,125	93,414	1,100	84,549	5,225	177,963
St. Jones River, Del.	1,106	18,219			1,106	18,219	1,123	41,500	2,229	59,719
Murderkill River, Del.	8,369	83,916			8,369	83,916	15,740	2,136,205	24,109	2,220,121
Mispillion River, Del.	11,592	317,218			11,592	317,218	1,437	109,950	13,029	427,168
Broadkill River, Del.	6,130	95,347			6,130	95,347	1,109	54,240	7,239	149,587
Susquehanna River above and below Havre de Grace, Md.	90,050	153,100			90,050	153,100	11,554	2,039,230	101,604	2,192,330
Elk and Little Elk Rivers, Md.	34,071	219,618			34,071	219,618	198	4,950	34,269	224,568
Chester River, Md.	14,660	457,286			14,660	457,286	9,651	698,319	24,311	1,155,605
Corsica River, Md.	5,267	70,257			5,267	70,257	6,304	249,955	11,571	320,212
Tred Avon River, Md.	12,363	224,733			12,363	224,733	8,785	1,146,767	21,148	1,371,500
La Trappe River, Md.	1,715	87,833			1,715	87,833	602	22,687	2,317	110,520
Choptank River, Md.	3,124	49,141			3,124	49,141	11,431	1,874,305	14,555	1,923,446
Warwick River, Md.	816	12,217			816	12,217	1,351	243,630	2,167	255,847
Slaughter Creek, Md.	6,010	93,137			6,010	93,137	6,573	1,245,665	12,583	1,338,802
Nanticoke River (including Northwest Fork), Del. and Md.	23,260	330,803			23,260	330,803	8,658	1,209,287	31,918	1,540,090
Broad Creek River, Del.	22,626	228,618			22,626	228,618	1,284	127,560	23,910	356,178
Tyaskin Creek, Md.	7	98			7	98	902	122,615	909	122,713
Wicomico River, Md.	55,553	932,018			55,553	932,018	28,499	3,320,694	84,052	4,252,712
Lower Thoroughfare at or near Wenona, Deal Island, Md.	7,301	97,824			7,301	97,824	2,891	357,357	10,192	455,181
Pocomoke River, Md.	4,928	61,391			4,928	61,391	5,636	573,790	10,564	635,181
Twitch Cove & Big Thoroughfare R., Md.	274	2,392			274	2,392	527	79,446	801	81,838
Potomac River at Washington, D. C.	836,064	2,421,772			836,064	2,421,772	55,728	13,095,287	891,792	*15,517,059
Anacostia River, D. C.	189,320	2,284,085			189,320	2,284,085	33,852	30,175,518	223,172	32,459,603
Potomac River at Alexandria, Va.	140,402	1,422,832			140,402	1,422,832	7,790	959,098	148,192	2,381,930
Occoquan Creek, Va.	18,845	144,184	250	$2,500	19,095	146,684	3,948	380,756	23,043	527,440
Potomac River at Lower Cedar Point, Md.							503	80,251	503	80,251
Rappahannock River, Va.	128,116	2,290,223			128,116	2,290,223	64,009	7,465,527	192,125	9,755,750
Urbana Creek, Va.	4,515	106,470			4,515	106,470	3,503	375,765	8,018	482,235
Carters Creek, Va.	9,006	1,363,624			9,006	1,363,624	6,549	707,407	15,555	2,071,031
Mattaponi River, Va.	86,833	550,587			86,833	550,587	9,710	453,752	96,543	1,004,339
Patuxent River, Md.	7,150	109,700			7,150	109,700	17,600	3,058,005	24,750	3,167,705
Piankatank River, Va.	9,236	135,462			9,236	135,462	14,891	1,817,020	24,127	1,952,482

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TABLE No. 8.—*Commerce on the rivers of the United States during the calendar year 1921*—Continued.

NOTE.—Asterisk (*) preceding figures in column "Total commerce" indicates additional traffic, such as general ferry, car ferry, and cargoes in transit, shown in Table No. 10.

Grand divisions and localities.	Bulk freight.						Package freight, miscellaneous.		Total commerce, receipts and shipments.	
	Miscellaneous.		Rafted and floated timber.		Total bulk freight.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
RIVERS—continued.										
Atlantic coast—Continued.										
Pamunkey River, Va	34,996	$223,063	375	$7,500	35,371	$230,563	2,386	$126,000	37,757	$356,563
Nomini Creek, Va	22,000	110,000			22,000	110,000	8,292	753,500	30,292	863,500
York River, Va	48,779	396,468			48,779	396,468	97,801	22,711,980	146,580	23,108,448
James River, Va	266,328	5,928,422	1,800	16,000	268,128	5,944,422	120,417	46,450,087	388,545	52,394,509
Appomattox River, Va	110,457	171,516			110,457	171,516			110,457	171,516
Pagan River, Va	5,635	87,055			5,635	87,055	16,783	1,608,346	22,418	1,695,401
Nansemond River, Va	43,595	481,997			43,595	481,997	8,293	346,883	51,888	828,880
Onancock River, Va	2,325	18,500			2,325	18,500	10,322	1,091,639	12,647	1,110,139
Blackwater River, Va							2,544	303,526	2,544	303,526
Meherrin River, N. C							6,858	649,427	6,858	649,427
Roanoke River, N. C	17,247	70,130	41,075	123,725	58,322	193,855	4,032	440,765	62,354	634,620
Newbegun Creek, N. C	25	125			25	125	3,798	223,710	3,823	223,835
Scuppernong River, N. C	9,037	127,100	1,131	4,524	10,168	131,624	1,801	252,506	11,969	384,130
Pamlico and Tar Rivers, N. C	95,229	1,551,618	25,884	103,536	121,113	1,655,154	24,659	2,070,778	145,772	3,725,932
South River, N. C	5,149	57,145	6,000	24,000	11,149	81,145	4,683	388,240	15,832	469,385
Bay River, N. C	898	29,440	3,000	12,000	3,898	41,440	1,270	138,734	5,168	180,174
Neuse River, N. C	65,463	1,357,175	32,718	130,872	98,181	1,488,047	27,298	3,273,075	125,479	4,761,122
Smiths Creek, N. C	3,039	99,250			3,039	99,250	1,809	120,657	4,848	219,907
Swift Creek, N. C			12,438	49,752	12,438	49,752	979	67,603	13,417	117,355
Contentnea Creek, N. C							60	2,160	60	2,160
Trent River, N. C	59,566	238,680			59,566	238,680	8,312	602,130	67,878	840,810
Cape Fear River, N. C., above Wilmington	41,781	2,009,732	13,594	95,158	55,375	2,104,890	6,240	1,006,647	61,615	3,111,537
Northeast (Cape Fear) River, N. C	43,488	1,347,116			43,488	1,347,116	1,974	303,290	45,462	1,650,406
Black River, N. C	773	10,237	2,416	16,912	3,189	27,149	1,766	268,995	4,955	296,144
Waccamaw River, S. C. and N. C	5,858	289,800	13,326	73,647	19,184	363,447	1,231	205,054	20,415	568,501
Santee River and Estherville-Minim Creek Canal, S. C	6,574	38,985	1,633	7,106	8,207	46,091	523	14,270	8,730	60,361
Shallotte River, N. C			500	3,500	500	3,500	3,930	404,365	4,430	407,865
Black River, N. C	1,522	46,112	16	133	1,538	46,245	2,675	501,613	4,213	547,858
Congaree River, S. C			10,000	200,000	10,000	200,000			10,000	200,000
Great Pedee River, S. C	1,231	13,691	6,000	15,000	7,231	28,691			7,231	28,691

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Savannah, River, Ga	46,435	53,521	30,078	168,461	76,513	221,982	1,209	284,591	77,722	506,573
Fancy Bluff Creek, Ga	4,181	45,300	800	12,400	4,961	57,700	1,919	130,500	6,900	188,200
Satilla River, Ga	24,475	406,400	18,408	122,800	42,883	528,200	7,214	532,200	50,097	1,060,400
St. Marys River, Ga. and Fla	27,427	336,220	600	12,500	28,027	348,720	2,152	198,900	30,179	547,620
Altamaha River, Ga	57,537	1,336,500	54,212	542,000	111,749	1,878,500	27,661	1,638,700	139,410	3,517,200
Oconee River, Ga	78,583	1,845,000	14,838	55,300	93,421	1,900,300	300	12,010	93,721	1,912,300
Ocmulgee River, Ga	40,600	938,900	10,257	37,500	50,857	976,400	9,585	886,800	60,442	*1,863,200
St. Johns River, Fla., Jacksonville to Palatka	39,565	240,608	61,784	193,053	101,349	433,561	41,957	5,445,606	143,306	5,879,167
St. Johns River, Fla., Palatka to Lake Harney	29,580	59,143	116,585	366,079	146,165	425,222	24,903	3,651,272	171,068	4,076,494
Lake Crescent and Dunns Creek, Fla	.....	.....	7,073	24,786	7,073	24,786	2,305	160,258	9,378	185,044
Oklawaha River, Fla	.....	.....	10,671	35,595	10,671	35,595	1,350	52,020	12,021	*87,615
Indian River, Fla	4,860	342,922	.....	.....	4,860	342,922	3,150	249,780	8,010	*592,702
St. Lucie Inlet, Fla	323	41,870	.....	.....	323	41,870	.....	.....	323	41,870
Total Atlantic coast rivers	15,480,560	166,475,575	497,462	2,456,339	15,978,022	168,931,914	2,700,177	425,091,609	18,678,199	594,023,523
Gulfcoast:										
Kissimmee River, Fla	550	50,300	.....	.....	550	50,300	1,665	112,990	2,215	163,290
Calcosahatchee River, Fla	12,661	194,250	.....	.....	12,661	194,250	33,824	2,974,294	46,485	3,168,544
Orange River, Fla	45	1,170	.....	.....	45	1,170	1,760	132,000	1,805	133,170
Anclote River, Fla	5,564	936,550	4,500	18,000	10,064	954,550	2,446	211,625	12,510	1,166,175
Crystal River, Fla	700	52,000	108	12,000	808	64,000	.....	.....	808	64,000
Withlacoochee River, Fla	390	20,320	3,938	23,628	4,328	43,948	952	58,380	5,280	102,328
Suwannee River, Fla	27	3,240	34,976	160,600	35,003	163,840	.....	.....	35,003	163,840
Hillsboro River, Fla. (*See* Tampa.)										
Manatee River, Fla	29,068	106,057	.....	.....	29,068	106,057	6,150	1,301,460	35,218	1,407,517
Apalachicola River, cut-off, Lee Slough and Lower Chipola River	3,260	64,605	25,098	103,867	28,358	168,472	21,918	1,756,291	50,276	1,924,763
Upper Chipola River, Fla	615	6,150	2,133	10,330	2,748	16,480	5,378	358,503	8,126	374,983
Flint River, Ga	1,696	50,014	.....	.....	1,696	50,014	11,170	896,285	12,866	946,299
Chattahoochee River, Ga. and Ala	337	29,779	.....	.....	337	29,779	5,036	591,100	5,373	620,879
Choctawhatchee River, Fla. and Ala	7,613	99,102	31,395	113,022	39,008	212,124	4,410	330,060	43,418	542,184
Blackwater River, Fla	2,953	120,900	.....	.....	2,953	120,900	10,199	895,058	13,152	1,015,958
Escambia and Conecuh Rivers, Fla. and Ala	2,640	39,600	7,000	105,000	9,640	144,600	123	8,280	9,763	152,880
Alabama River, Ala	1,798	20,980	4,335	21,675	6,133	42,655	7,517	992,711	13,650	1,035,366
Coosa River, Ga. and Ala	7,825	352,750	2,511	12,555	10,336	365,305	978	79,560	11,314	444,865
La Grange Bayou, Fla	11,651	151,463	.....	.....	11,651	151,463	4,244	359,022	15,895	510,485
St. Marks River, Fla	616	86,240	.....	.....	616	86,240	.....	.....	616	86,240
Holmes River, Fla	.....	.....	.....	.....	.....	.....	563	21,466	563	21,466
Tombigbee River, Ala., from mouth to Demopolis	325,593	1,644,666	54,659	218,636	380,252	1,863,302	9,462	2,269,432	389,714	*4,132,734
Tombigbee River, from Demopolis, Ala., to Walkers Bridge, Miss	19,133	91,532	8,716	34,864	27,849	126,396	34	9,675	27,883	136,071
Black Warrior, Warrior, and Tombigbee Rivers, Ala., Locks and Dams 1-17, inclusive	689,936	9,403,774	72,887	291,548	762,823	9,695,322	22,144	4,208,536	784,967	13,903,858
Pascagoula River, Miss	19,198	38,396	57,897	233,038	77,095	271,434	.....	.....	77,095	271,434
Wolf and Jordan Rivers, Miss	1,280	19,200	.....	.....	1,280	19,200	35	3,600	1,315	22,800
East Pearl River, Miss	108,472	1,024,830	.....	.....	108,472	1,024,830	1,149	65,900	109,621	1,090,730
Mobile River, Ala., tributaries	102,720	818,765	.....	.....	102,720	818,765	1,680	96,000	104,400	914,765
Chefuncte River and Bogue Falia, La	226,769	1,180,772	22,700	141,875	249,469	1,322,647	2,213	430,300	251,682	1,752,947
Pass Manchac, La	24,105	512,908	.....	.....	24,105	512,908	6,604	1,187,005	30,709	1,699,913

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TABLE No. 8.—*Commerce on the rivers of the United States during the calendar year 1921*—Continued.

Grand divisions and localities.	Bulk freight.						Package freight, miscellaneous.		Total commerce, receipts and shipments.	
	Miscellaneous.		Rafted and floated timber.		Total bulk freight.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
RIVERS—continued.										
Gulf coast—continued.										
Tickfaw, Natalbany, Ponchatoula, and Blood Rivers, La	17,072	$383,410	28,000	$175,000	45,072	$558,410	1,587	$303,955	46,659	$862,365
Amite River and Bayou Manchac, La	7,033	129,498	8,939	55,868	15,972	185,366	5,017	893,050	20,989	1,068,416
Bayou Lafourche, La	196,133	1,625,387			196,133	1,625,387	61,461	7,638,635	257,594	9,264,022
Bayou Terrebonne, La	78,093	467,041	26,694	166,837	104,787	633,878	45,750	4,941,925	150,537	5,575,803
Bayou Plaquamine, Grand River, and Pigeon Bayou, La	43,814	610,055	590,845	3,692,781	634,659	4,302,836	52,207	9,669,125	686,866	13,971,961
Bayou Grossetete, La	11,525	80,874	140,292	876,825	151,817	957,699	2,650	511,250	154,467	1,468,949
Bayou Teche, La	52,605	377,809	221,241	992,343	273,846	1,370,152	5,313	237,524	279,159	1,607,676
Atchafalaya River, Morgan City to Gulf of Mexico	75,880	1,296,496	309,211	1,500,886	385,091	2,797,382	34,703	6,265,767	419,794	9,063,149
Bayou Vermilion, La	24,305	178,546			24,305	178,546	3,982	351,531	28,287	530,077
Lake Pontchartrain, La	445,261	3,466,420			445,261	3,466,420	23,690	4,585,670	468,951	8,052,090
Mermantau River, Bayou Nezpique, and Bayou Des Cannes, La	4,259	43,430			4,259	43,430	6,723	267,303	10,982	310,733
Bayou Queue de Tortue, La	1,430	15,125	3,000	18,750	4,430	33,875	386	58,330	4,816	92,205
Bayou Plaquemine Brule, La	2,575	30,187	4,000	25,000	6,575	55,187	150	30,000	6,725	85,187
Calcasieu River and Pass, La	14,290	204,711	329,583	809,636	343,873	1,014,347	12,297	482,820	356,170	1,497,167
Schooner Bayou, La	298	67,350			298	67,350	1,561	298,712	1,859	366,062
Double Bayou, Tex	600	650			600	650	5,278	333,678	5,878	334,328
Turtle Bayou, Tex	5,562	38,562			5,562	38,562	3,333	171,443	8,895	210,005
Cedar Bayou, Tex	1,283	1,283			1,283	1,283	17,417	763,384	18,700	764,667
Clear Creek, Tex							1,549	34,996	1,549	34,996
Chocolate Bayou, Tex	790	2,440			790	2,440	32	1,554	822	3,994
Brazos River from Velasco to Old Washington	29,696	71,960			29,696	71,960			29,696	71,960
Johnsons Bayou, La	142	1,846			142	1,846	6,776	865,567	6,918	867,413
Trinity River, Tex., mouth of [1]										
Bastrop Bayou, Tex	2,229	31,576			2,229	31,576			2,229	31,576
Guadalupe River to Victoria, Tex	50	500			50	500	120	24,000	170	24,500
Kiamichi River, Okla. (Red River from Fulton, Ark., to mouth of Washita River, Okla.)	119	1,325			119	1,325	56	11,473	175	12,798
Total Gulf coast rivers	2,622,259	26,246,794	1,994,658	9,814,564	4,616,917	36,061,358	453,692	58,081,225	5,070,609	94,142,583

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Mississippi River and tributaries:										
Red River below Fulton, Ark.	3,450	33,000	.....	.....	3,450	33,000	150	44,560	3,600	*77,560
Ouachita and Black Rivers, Ark. and Ala.	62,915	478,159	1,350	24,300	62,915	502,459	8,191	2,117,038	71,106	*2,619,497
Tensas River and Bayou Macon, La.	2,200	17,600	3,841	60,138	6,041	86,738	728	41,918	6,769	128,656
Boeuf River, La.	30	450	.....	.....	30	450	1,465	302,385	1,495	302,835
Bayou Bartholomew, La. and Ark.	107	2,195	1,350	24,300	1,457	26,495	348	96,220	1,805	122,715
Saline River, Ark.	5,080	40,640	.....	.....	5,080	40,640	.....	.....	5,080	40,640
Bayou D'Arbonne and Corney, La.	1,307	20,745	225	4,050	1,532	24,795	128	29,075	1,660	53,870
Yazoo River, Miss.	50,521	373,297	26,942	484,956	77,463	858,253	1,807	285,735	79,270	*1,143,988
Tchula Lake, Miss.	12,120	96,960	.....	.....	12,120	96,960	.....	.....	12,120	96,960
Tallahatchie and Coldwater Rivers, Miss.	60	1,500	.....	.....	60	1,500	5,231	760,347	5,291	761,847
Big Sunflower River, Miss.	19,115	171,311	2,550	45,900	21,665	217,211	17,517	4,298,882	39,182	4,516,093
Steele and Washington Bayous and Lake Washington, Miss.	2,276	18,208	2,386	42,948	4,662	61,156	.....	.....	4,662	61,156
Arkansas River, Ark. and Okla.	6,526	18,453	25,954	81,440	32,480	99,893	300	3,600	32,780	103,493
White River, Ark.	133,387	408,315	28,852	90,882	162,239	499,197	8,805	377,160	171,044	876,357
Black River, Ark. and Mo.	27,390	127,572	39,057	147,711	66,447	275,283	183	8,568	66,630	283,851
Current River, Ark. and Mo.	334	1,315	16,280	84,590	16,614	85,905	.....	.....	16,614	85,905
St. Francis and L'Anguille Rivers and Blackfish Bayou, Ark.	16,378	75,644	302,878	1,152,573	319,251	1,228,217	991	68,601	320,242	1,296,818
Mississippi and Leech Rivers, Minn.	10,728	96,552	25,869	106,265	36,597	202,817	.....	.....	36,597	202,817
Mississippi River between Brainerd and Grand Rapids, Minn.	17,450	160,600	24,146	104,004	41,596	264,604	.....	.....	41,596	264,604
Mississippi River between Missouri River and Minneapolis, Minn.	719,925	1,199,497	.....	.....	719,925	1,199,497	41,597	9,611,078	761,522	*10,810,575
Mississippi River between Ohio and Missouri Rivers	300,699	7,359,024	.....	.....	300,699	7,359,024	180,452	40,122,740	481,151	*47,481,764
Mississippi River between St. Louis and Cairo	649,679	821,042	.....	.....	649,679	821,042	454,471	51,404,470	1,104,150	52,225,512
Mississippi River between Cairo and Memphis	380,303	1,214,197	30,226	110,047	410,529	1,324,244	492,294	50,015,587	902,823	51,339,831
Mississippi River between Memphis and Vicksburg	666,835	1,237,017	131,001	592,207	797,836	1,829,224	831,911	68,825,866	1,629,747	70,655,090
Mississippi River between Vicksburg and New Orleans	6,086,139	94,750,696	43,965	143,992	6,130,104	94,894,688	1,193,231	127,206,691	7,323,335	222,101,379
Missouri River, Kansas City to mouth	137,142	217,279	500	12,000	137,642	229,279	1,902	101,325	139,544	330,604
Missouri River, Kansas City to Sioux City	109,642	229,545	.....	.....	109,642	229,545	870	17,400	110,512	246,945
Missouri River, Sioux City to Fort Benton	1,793	20,344	.....	.....	1,793	20,344	7,371	324,822	9,164	345,166
Galena River, Ill.	4,120	5,614	.....	.....	4,120	5,614	6	596	4,126	6,210
Osage River, Mo.	12,057	69,347	30,700	25,100	42,757	94,447	7,943	486,989	50,700	581,436
Gasconade River, Mo.	1,493	1,500	8,850	50,425	10,343	51,925	1,088	24,213	11,431	76,138
Cumberland River, Tenn. and Ky., below Nashville	245,498	1,115,730	9,018	72,831	254,516	1,188,561	8,878	1,260,353	263,394	2,448,914
Cumberland River, Tenn. and Ky., above Nashville	105,190	229,125	17,555	149,217	122,745	378,342	19,173	2,276,781	141,918	2,655,123
Tennessee River above Chattanooga	469,273	629,042	4,111	32,888	473,384	661,930	13,376	520,963	486,760	1,182,893
Tennessee River, Chattanooga to Riverton, Ala.	101,471	7,014,413	1,919	15,352	103,390	7,029,765	14,995	1,406,139	118,385	8,435,874
Tennessee River below Riverton, Ala.	283,628	1,982,406	39,611	211,216	323,239	2,193,622	25,601	8,042,076	348,840	10,235,698
Tennessee River between Florence and Riverton, Ala.	24,419	146,952	1,586	12,688	26,005	159,640	666	54,950	26,671	214,590
Clinch River, Tenn.	.....	.....	6,919	52,048	6,919	52,048	.....	.....	6,919	52,048
Hiwassee River, Tenn.	389	4,273	.....	.....	389	4,273	539	50,506	928	54,779
French Broad and Little Pigeon Rivers, Tenn.	10	38	.....	.....	10	38	2,400	62,280	2,410	62,318

[1] No traffic reported for Trinity River above the mouth.

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TABLE No. 8.—*Commerce on the rivers of the United States during the calendar year 1921*—Continued.

Grand divisions and localities.	Bulk freight.						Package freight, miscellaneous.		Total commerce, receipts and shipments.	
	Miscellaneous.		Rafted and floated timber.		Total bulk freight.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
RIVERS—continued.										
Mississippi River and tributaries—Continued.										
Monongahela River, Pa. and W. Va.	15,948,076	$68,297,368			15,948,076	$68,297,368	152,748	$15,135,135	16,100,824	$83,432,503
Allegheny River, Pa.	3,858,125	9,976,382			3,858,125	9,976,382	2,381	350,250	3,860,506	10,326,632
Youghiogheny River, Pa.	187,191	578,897			187,191	578,897			187,191	578,897
Little Kanawha River, W. Va.	442	682	7,963	$78,682	8,405	79,364	31,874	3,886,218	40,279	3,965,582
Kanawha River, W. Va.	1,094,900	3,442,469	220	1,980	1,095,120	3,444,449	23,791	5,335,866	1,118,911	8,780,315
Ohio River	6,844,096	29,476,279			6,844,096	29,476,279	463,784	63,798,534	7,307,880	93,274,813
Muskingum River, Ohio	93,764	370,222			93,764	370,222	11,010	2,177,693	104,774	2,547,915
Big Sandy River, W. Va. and Ky., including Tug and Levisa Forks	4,748	118,549	37,360	548,320	42,108	666,869	65	9,977	42,173	676,846
Kentucky River, Ky.	194,503	1,491,740	53,242	638,168	247,745	2,129,908	8,591	1,141,711	256,336	3,271,619
Wabash River at Grand Rapids	57	1,852			57	1,852	62	12,400	119	14,252
Green and Barren Rivers, Ky.	273,093	2,069,258	22,832	282,480	295,925	2,351,738	27,107	4,363,855	323,032	6,715,593
Rough River, Ky.	736	3,680	8,710	104,520	9,446	108,200	6	1,030	9,452	109,230
Illinois River, Ill.	134,590	1,277,724			134,590	1,277,724	22,946	3,455,320	157,536	4,733,044
Total Mississippi River and tributaries	39,304,045	237,494,699	957,968	5,597,218	40,262,013	243,091,917	4,088,973	469,917,873	44,350,986	713,009,790
Pacific coast:										
Redwood Creek, Calif.	9,298	272,779			9,298	272,779	5,845	567,730	15,143	840,509
Suisun Bay Channel, Calif. (*See* Ports.)										
Suisun Channel, Calif.	41,806	385,230			41,806	385,230	210	13,175	42,016	398,405
Napa River, Calif.	86,728	444,262			86,728	444,262	3,423	322,596	90,151	766,858
Petaluma Creek, Calif.	73,771	722,684			73,771	722,684	99,643	10,767,399	173,414	11,490,083
San Joaquin River, Calif.	132,152	2,692,837			132,152	2,692,837	514,505	34,570,285	646,657	37,263,122
Mokelumne River, Calif.							88,320	5,680,278	88,320	5,680,278
Sacramento River, Calif.	409,899	3,415,747			409,899	3,415,747	566,697	48,676,576	976,596	52,092,323
Feather River, Calif.	1,086	11,403			1,086	11,403	170	10,750	1,256	22,153
San Rafael Creek, Calif.	31,780	134,985			31,780	134,985	1,552	224,880	33,332	359,865
Suislaw River, Oreg.	9,530	114,360	29,721	222,908	39,251	337,268	2,666	168,130	41,917	505,398
Umpqua River, Oreg.	8,800	105,600	46,600	349,500	55,400	455,100	656	107,342	56,056	562,442
Coquille River, Oreg.	50,663	607,956	51,995	389,959	102,658	997,915	30,547	4,884,747	133,205	5,882,662
Coos River, Oreg.			10,921	81,907	10,921	81,907	13,021	1,680,514	23,942	1,762,421
Yaquina River, Oreg.	3,120	17,450	17,190	125,661	20,310	143,111	6,776	1,094,302	27,086	1,237,413
Columbia River from Vancouver to The Dalles, Oreg.	291,278	1,198,429	110,952	832,140	402,230	2,030,569	53,347	6,097,624	455,577	8,128,193
Snake River, Oreg., Wash. and Idaho							26,861	1,232,040	26,861	1,232,040

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Clatskanie River, Oreg	3,772	22,915	130,610	979,575	134,382	1,002,490	6,637	637,336	141,019	1,639,826
Willamette River above Portland and Yamhill River, Oreg	685,128	2,317,031	404,396	2,971,686	1,089,524	5,288,717	98,372	9,251,966	1,187,896	14,540,683
Lewis River, Wash	60	3,600	58,957	461,379	59,017	464,979	3,992	352,382	63,009	817,331
Cowlitz River, Wash			176,314	1,434,180	176,314	1,434,180	2,839	323,990	179,153	1,758,170
Skamokawa Creek, Wash	72	4,320	25,000	187,500	25,072	191,820	1,405	98,670	26,477	290,490
Grays River, Wash	2,042	68,255	12,215	91,613	14,257	159,868	4,880	693,817	19,137	853,685
Hoquiam River, Wash. (*See* Ports.)										
Stilaguamish River, Wash. (*See* Ports.)										
Snohomish River, Wash	57,740	656,822	1,272,863	5,985,958	1,330,603	6,642,780			1,330,603	6,642,780
Skagit River, Wash	21,425	68,985	458,370	2,213,680	479,795	2,282,665	28,321	3,590,685	508,116	5,873,350
Swinomish Slough, Wash	3,898	108,845	2,190	11,460	6,088	120,305	18,538	471,461	24,626	591,766
Chehalis River, Wash			225,000	1,125,000	225,000	1,125,000			225,000	1,125,000
Wishkah River, Wash	132,077	538,240	129,098	645,490	261,175	1,183,730	257	55,506	261,432	1,239,236
Humptulips River, Wash			216,628	1,299,768	216,628	1,299,768			216,628	1,299,768
Columbia River, between Wenatchie and Kettle Falls, Wash							11,755	563,150	11,755	563,150
Pend O'Reille River, Wash. and Idaho			261,078	1,392,416	261,078	1,392,416			261,078	1,392,416
Pend O'Reille Lake, Idaho			75,960	455,760	75,960	455,760			75,960	455,760
Priest River, Idaho			158,826	847,072	158,826	847,072			158,826	847,072
Kootenai River, Idaho and Mont			67,508	317,288	67,508	317,288			67,508	317,288
Flathead Lake, Mont			119,400	566,245	119,400	566,245	2,870	194,300	122,270	760,545
Nasel River, Wash			28,406	142,030	28,406	142,030			28,406	142,030
Coeur d'Alene Lake and St. Joe River, Idaho							4,661	514,197	4,661	514,197
Apoon mouth of Yukon River, Alaska	620	24,800			620	24,800	5,045	743,276	5,665	768,076
Total Pacific coast rivers	2,056,745	13,937,535	4,090,198	23,130,175	6,146,943	37,067,710	1,603,811	133,589,074	7,750,754	170,656,784
INTERIOR RIVERS.										
Fox River, Wis	284,593	1,739,210			284,593	1,739,210	997	85,070	285,590	1,824,280
Grand River, Mich	65,485	51,200	75	500	65,560	51,700			65,560	51,700
Niagara River, N. Y	152,124	136,911			152,124	136,911	20	2,936	152,144	139,847
Total interior rivers	502,202	1,927,321	75	500	502,277	1,927,821	1,017	88,006	503,294	2,015,827
WATERS NOT TRIBUTARY TO THE ATLANTIC, GULF, AND PACIFIC COASTS (LAKE OF THE WOODS, MINN.).										
Zippel Bay, Minn	1,185	6,080	619	5,325	1,804	11,405	73	4,965	1,877	16,370
Warroad Harbor, Minn	981	13,775	619	5,325	1,600	19,100	4,406	622,190	6,006	641,290
Baudette Harbor, Minn	13,333	10,000	68,514	834,129	81,847	844,129	27,855	1,433,199	109,702	2,277,328
Total	15,499	29,855	69,752	844,779	85,251	874,634	32,334	2,060,354	117,585	2,934,988
Grand total rivers	59,981,310	446,111,779	7,610,113	41,843,575	67,591,423	487,955,354	8,880,004	1,088,828,141	76,471,427	1,576,783,495

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TABLE NO. 9.—*Commerce on the canals and connecting channels of the United States during the calendar year 1921.*

[Quantities expressed in short tons.]

NOTE.—Asterisk (*) preceding figures in column "Total commerce" indicates additional traffic such as general ferry, car ferry, and cargoes in transit, shown in Table No. 10.

Grand divisions and localities.	Bulk freight.						Package freight, miscellaneous.		Total commerce, receipts and shipments.	
	Miscellaneous.		Rafted and floated timber.		Total bulk weight.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
CANALS AND CONNECTING CHANNELS.										
Inland waterway from Delaware River to Chesapeake Bay, Del. and Md.	290,758	$4,760,247	.....	.....	290,758	$4,760,247	198,886	$31,437,581	489,644	$36,197,828
Inland waterway between Rehobeth Bay and Delaware Bay, Del.	3,952	119,350	.....	.....	3,952	119,350	6,082	96,490	10,034	215,840
Inland waterway from Chincoteague Bay, Va., to Delaware Bay	23,431	1,201,337	.....	.....	23,431	1,201,337	13,365	1,035,150	36,796	2,236,487
Waterway on the coast of Virginia	15,707	447,948	.....	.....	15,707	447,948	761	32,000	16,468	479,948
Waterway from Norfolk, Va., to the sounds of North Carolina	77,963	385,090	.....	.....	77,963	385,090	34,623	2,155,201	112,586	2,540,291
Inland waterway from Norfolk, Va., to Beaufort Inlet, N. C.	209,520	2,748,184	.....	.....	209,520	2,748,184	51,900	4,964,579	261,420	7,712,763
Waterway connecting Swan Quarter Bay with Deep Bay, N. C.	3,242	70,286	.....	.....	3,242	70,286	5,184	388,021	8,426	458,307
Channel connecting Thoroughfare Bay and Cedar Bay, N. C.	3,535	22,671	.....	.....	3,535	22,671	437	16,988	3,972	39,659
Waterway connecting Core Sound and Beaufort Harbor, N. C.	12,056	512,537	3,456	$13,824	15,512	526,361	8,106	701,073	23,618	1,227,434
Inland waterway, Beaufort to Jacksonville	39,091	556,873	13,557	54,228	52,648	611,101	3,988	546,833	56,636	1,157,934
Beaufort Inlet, N. C.	36,937	385,878	.....	.....	36,937	385,878	608	6,500	37,545	392,378
Waterway between Charleston and Winyah Bay, S. C.	3,275	184,943	634	7,016	3,909	191,959	4,349	228,251	8,258	420,210
Wappoo Cut, S. C.	11,853	289,028	260	14,116	12,113	303,144	8,570	459,648	20,683	762,792
Waterway between Beaufort, S. C., and St. Johns River, Fla.	185,227	3,457,100	49,588	309,300	234,815	3,766,400	31,293	4,708,300	266,108	8,474,700
Channel from Clearwater Harbor through Boca Ceiga Bay to Tampa, Fla.	2,403	162,117	.....	.....	2,403	162,117	.....	.....	2,403	162,117
Channel from Apalachicola River to St. Andrews Bay, Fla.	.....	.....	2,000	18,000	2,000	18,000	1,432	81,744	3,432	99,744
Narrows in Santa Rosa Sound, Fla.	19,724	391,315	31,395	113,022	51,119	504,337	10,297	952,018	61,416	1,456,355
Intracoastal waterway, Franklin to Mermentau, La.	3,876	49,990	.....	.....	3,876	49,990	1,492	361,085	5,368	411,075

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Intracoastal waterway, Calcasieu River to Sabine River, La. and Tex.	19,295	769,927			19,295	769,927	7,376	888,391	26,671	1,658,318
Channel between Brazos River and Matagorda Bay, Tex.	2,800	2,800			2,800	2,800	2,277	194,385	5,077	197,185
Channel from Pass Cavallo to Aransas Pass, Tex.	77,200	77,200			77,200	77,200	2,049	101,390	79,249	178,590
Channel from Aransas Pass to Corpus Christi, Tex.							11,042	202,020	11,042	202,020
Anahuac Channel, Tex.	5,582	38,882			5,582	38,882	5,633	314,670	11,215	353,552
West Galveston Bay and Brazos River Canal, Tex.	350	350			350	350	1,165	173,251	1,515	173,601
Sabine-Neches Canal, Tex.	246,427	2,499,470			246,427	2,499,470	1,771	137,750	248,198	*2,637,220
Channel from Pass Cavallo to Port Lavaca, Tex.							925	19,000	925	19,000
Cypress Bayou and waterway, between Jefferson, Tex., and Shreveport, La.	6,913	147,671			6,913	147,671	4,507	973,909	11,420	1,121,580
Muscle Shoals Canal, Ala.	1,200	8,857			1,200	8,857	4,230	624,988	5,430	633,845
Illinois and Mississippi Canal	7,615	58,891			7,615	58,891	5,334	115,073	12,949	173,964
Lake Traverse, Minn. and S. Dak.	1,885	45,538			1,885	45,538			1,885	45,538
Keweenaw waterway, Mich. (through traffic)	112,710	5,845,814			112,710	5,845,814	172,706	22,273,458	285,416	28,119,272
Sturgeon Bay and Lake Michigan Ship Canal, Wis.	185,210	262,930			185,210	262,930	4,150	481,850	189,360	*744,780
St. Marys Falls Canal, Mich.	47,659,091	610,097,520			47,659,091	610,097,520	600,163	135,036,675	48,259,254	745,134,195
Waterway connecting Port Townsend Bay and Oak Bay, Wash.	20	240	43,746	217,795	43,766	218,035	36,961	1,997,347	80,747	2,215,382
Lake Washington Ship Canal, Wash.	623,831	5,303,639	826,887	4,619,775	1,450,718	9,923,414	53,048	4,854,129	1,503,766	*14,777,543
Cascades Canal, Columbia River, Oreg.							5,424	795,741	5,424	795,741
Total canals and connecting channels	49,892,679	640,904,623	971,523	5,367,076	50,864,202	646,271,699	1,300,154	217,355,489	52,164,356	863,627,188

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TABLE No. 10.—*Ferry traffic and cargoes in transit on the rivers, canals, and connectin channels of the United States.*

NOTE.—Commerce included in this table is additional to that shown in Tables 8 and 9.

Grand divisions and localities.	Kind of traffic.					
	General ferry.		Car ferry.		Cargoes in transit.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Atlantic coast:						
Hudson River, N. Y.					2,650,036	$138,111,764
Delaware River, Philadelphia, Pa., to Trenton, N. J.					20,976	1,643,701
Broad Creek, Md.					9,213	339,190
Potomac River at Washington, D. C.					248,864	32,857,976
Ocmulgee River, Ga.	11,000	$8,020,000				
Oklawaha River, Fla.	1,496	178,905				
Indian River, Fla.	1,117	70,347				
Gulf coast:						
Tombigbee River, Ala., from mouth to Demopolis					229,677	8,748,061
Trinity River, Tex., mouth of					8,895	210,005
Mississippi River and tributaries:						
Red River, below Fulton, Ark.					9,449	2,250,125
Ouachita and Black Rivers, Ark. and Ala.					4,202	484,280
Yazoo River, Miss.					39,182	4,516,093
Mississippi River between Missouri River and Minneapolis, Minn.	421,868	28,463,963				
Mississippi River between Ohio and Missouri Rivers	180,081	45,897,275	3,115,737	$216,179,020		
Canals and connecting channels:						
Coney Island Channel, N. Y.					191,566	3,337,466
Channel between Mobile Bay and Mississippi Sound, Ala.					64,536	1,230,065
Sabine-Neches Canal, Tex.					3,041,747	113,777,650
Sturgeon Bay and Lake Michigan Ship Canal, Wis.			282,470	20,035,000	107,970	3,144,170
Channels in Lake St. Clair, Mich.					57,523,481	889,313,016
Detroit River, Mich.					63,973,308	989,027,342
Lake Washington Ship Canal, Wash.					1,513,295	15,787,763

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TABLE NO. 11.—*Water-borne commerce of the ports of the United States for the calendar year 1921, segregated by classes of commodities and grand divisions.*[1]

[Quantities expressed in short tons.]

Class of commodities.	Grand divisions.									
	Atlantic Coast.		Gulf coast.		Pacific coast.		Great Lakes.		Total.	
	Domestic.	Foreign.	Domestic.	Foreign.	Domestic.	Foreign.	Domestic.	Foreign.	Domestic.	Foreign.
Animals and animal products, except wool and hair	2,109,979	508,228	1,468,032	61,759	344,483	95,026	69,049	3,505	3,991,543	668,518
Vegetable food products, oil seeds, expressed oils, and beverages	5,759,853	9,922,436	982,905	7,849,823	2,410,854	2,532,343	10,132,062	5,237,642	19,285,674	25,542,244
Other vegetable products, except fibers and wood	742,885	541,585	94,458	169,972	26,261	27,218	164	.....	863,768	738,775
Textiles	1,578,843	896,138	295,844	1,384,664	104,153	232,790	7,022	19,961	1,985,862	2,523,553
Wood and paper	3,113,700	1,168,957	1,493,975	1,569,987	14,129,651	1,327,029	711,026	509,853	19,448,352	4,575,826
Nonmetallic minerals	136,287,500	22,019,066	14,239,140	15,893,862	14,406,888	2,479,950	55,735,430	6,173,698	220,668,958	46,566,576
Ores, metals, and manufactures, except machinery and vehicles	4,092,433	2,169,634	304,966	393,751	585,223	339,329	49,153,540	529,048	54,136,162	3,431,762
Machinery and vehicles	370,397	235,966	57,079	93,898	98,101	97,290	132,746	43	658,323	427,197
Chemicals	3,266,987	968,058	547,779	658,962	173,283	97,778	92,062	10,581	4,080,111	1,735,379
Unclassified	15,931,263	5,971,478	183,251	31,462	5,467,171	413,309	1,861,519	28,529	23,443,204	6,444,778
Total	173,253,840	44,401,546	19,667,429	28,108,140	37,746,068	7,642,062	117,894,620	12,512,860	348,561,957	92,664,608
Adjusted total	86,626,920	44,401,546	9,833,715	28,108,140	18,873,034	7,642,062	58,947,310	12,512,860	174,280,978	92,664,608

[1] Includes foreign imports and exports, coastwise receipts and shipments, and other domestic; excludes general ferry and car-ferry traffic and cargoes in transit.

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TABLE NO. 12.—*Commerce on the rivers, canals, and connecting channels of the United States for the calendar year 1921, segregated by classes of commodities and grand divisions.*

[Quantities expressed in short tons.]

Classes of commodities.	Atlantic coast.	Gulf coast.	Pacific coast.	Mississippi River and tributaries.	Interior rivers.	Canals and connecting channels.	Waters not tributary to Atlantic, Gulf, or Pacific coasts.	Total.
Animals and animal products	347,622	189,664	62,851	151,141	97	288,722	2,965	1,043,082
Vegetable food products	751,796	433,855	1,042,857	1,864,484	2,771	9,209,536	1,432	13,306,731
Other vegetable products	47,691	41,263	9,612	30,834	.....	13,715	.....	143,115
Textiles	77,331	6,276	9,632	550,378	.....	8,759	2	652,378
Wood and paper	1,722,741	2,938,330	4,650,005	3,515,396	6,747	2,158,372	72,441	15,064,032
Nonmetallic minerals	14,096,881	1,201,056	1,517,081	36,833,691	492,744	16,762,505	13,441	70,917,399
Ores, metals, and manufactures of	108,793	83,472	16,341	360,869	500	22,692,078	.....	23,262,053
Machinery and vehicles	11,101	2,626	17,047	96,563	.....	14,495	.....	141,832
Chemicals	478,326	15,312	99,770	112,938	20	126,936	.....	833,302
Unclassified	1,035,917	158,735	325,558	834,692	415	889,238	27,304	3,271,859
Total	18,678,199	5,070,609	7,750,754	44,350,986	503,294	52,164,356	117,585	[1] 128,635,783
Adjusted total	9,339,099	2,535,305	3,875,377	22,175,493	251,647	[2] 1,809,843	58,792	40,045,556

[1] Exclusive of through traffic or cargoes in transit on rivers but includes such traffic passing through canals and connecting channels.

[2] Represents net receipts and shipments at localities on canals and connecting channels after deducting all known through traffic.

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TABLE NO. 13.—*Domestic water-borne commerce of ports of the United States, separated into bulk and package freights, for the calendar year 1921.*[1]

[Quantities expressed in short tons.]

Grand divisions.	Bulk freight.						Package freight, miscellaneous.		Total commerce, receipts and shipments.	
	Miscellaneous.		Rafted and floated timber.		Total bulk freight.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Atlantic coast	127,070,863	$1,339,884,136	189,200	$1,423,862	127,260,063	$1,341,307,998	45,993,777	$8,587,139,640	173,253,840	$9,928,447,638
Gulf coast	13,280,304	156,020,571	194,063	929,409	13,474,367	156,949,980	6,193,062	508,711,442	19,667,429	665,661,422
Pacific coast	19,635,251	336,497,327	8,066,874	47,498,810	27,702,125	383,996,137	10,043,943	1,265,352,544	37,746,068	1,649,348,681
Great Lakes	114,353,633	847,404,580	20,798	198,000	114,374,431	847,602,580	3,520,189	600,657,955	117,894,620	1,448,260,535
Grand total	274,340,051	2,679,806,614	8,470,935	50,050,081	282,810,986	2,729,856,695	65,750,971	10,961,861,581	348,561,957	13,691,718,276
Adjusted total	137,170,025	1,339,903,307	4,235,468	25,025,040	141,405,493	1,364,928,347	32,875,485	5,480,930,791	174,280,978	6,845,859,138

[1] Exclusive of general ferry and car-ferry traffic and cargoes in transit.

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TABLE No. 14.—*Passengers carried by water during the calendar year 1921.*

Grand divisions.	Credited to—		Totals by grand divisions.
	Ports.	Rivers.	
Atlantic coast	247,376,626	1,348,553	248,725,179
Gulf coast	856,126	62,863	918,989
Pacific coast, including Hawaii	100,045,388	402,450	100,447,838
Great Lakes	19,255,780	.....	19,255,780
Mississippi River and tributaries	.....	6,435,620	6,435,620
Canals and connecting channels	.....	184,567	184,567
Interior rivers	.....	11,498	11,498
Waters not tributary to Atlantic, Gulf, or Pacific coasts	.....	58,316	58,316
Grand total	367,533,920	8,503,867	376,037,787

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TABLE No. 15.—*Summary showing total receipts and shipments of principal commodities by water during the calendar year 1921.*

[Quantities expressed in short tons.]

Commodity.	Foreign.			Domestic.			Grand total.	Adjusted total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total.[1]		
Cement	17,920	220,177	238,097	1,022,877	502,459	2,614,016	2,852,113	1,545,105
Coal	562,185	14,623,117	15,185,302	37,437,452	38,838,339	151,111,904	166,297,206	90,741,254
Copper, unmanufactured forms of, and ore	403,860	177,222	581,082	342,282	146,023	1,381,926	1,963,008	1,272,045
Cotton, raw, linters and waste	43,373	1,590,174	1,633,547	267,579	244,759	912,155	2,545,702	2,089,625
Fertilizer, including ingredients	562,979	575,654	1,138,633	1,144,148	922,303	2,471,102	3,609,735	2,374,184
Grain, including flour	2,814,591	15,050,841	17,865,432	5,456,846	5,836,323	14,144,847	32,010,279	24,937,856
Iron ore	505,858	516,548	1,022,406	42,450,366	22,511,634	65,100,972	66,123,378	33,572,892
Iron and steel, unmanufactured forms of	84,376	597,433	681,809	315,710	122,078	1,597,422	2,279,231	1,490,520
Lumber and logs	718,422	2,894,096	3,612,518	8,688,583	4,786,864	28,946,310	32,558,828	18,085,673
Petroleum and products	16,742,168	10,054,253	26,796,421	15,896,228	18,722,964	52,106,363	78,902,784	52,849,608
Pulp wood and wood pulp	645,873	1,856	647,729	349,213	343,961	943,735	1,591,464	1,119,597
Sand and gravel	535,531	27,989	563,520	10,058,636	5,643,018	29,962,921	30,526,441	15,544,981
Stone	50	24,343	24,393	5,661,100	1,935,511	8,559,657	8,584,050	4,304,222
Sugar, molasses, and sirup	3,113,349	218,893	3,332,242	986,854	1,021,113	2,817,403	6,149,645	4,740,944
Total	26,750,535	46,572,596	73,323,131	130,077,874	101,576,749	362,670,733	435,993,864	.....
Adjusted total	26,750,535	46,572,596	73,323,131	.....	.....	181,335,367	.....	254,658,501

[1] Includes local traffic at ports and up and down bound traffic on rivers not shown under receipts and shipments.

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TABLE No. 16.—*Receipts and shipments of cement by water, 1921.*

[Quantities expressed in short tons.]

Locality.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total.[1]	
Ports:							
Atlantic coast	15,912	207,143	223,055	552,022	37,177	1,569,500	1,792,555
Gulf coast	38	4,546	4,584	9,479	1,332	11,023	15,607
Pacific coast	1,970	8,038	10,008	64,726	11,182	85,294	95,302
Great Lakes	.....	450	450	304,842	2,534	307,416	307,866
Rivers:							
Atlantic coast	.....	.....	.....	89,937	449,893	564,409	564,409
Gulf coast	.....	.....	.....	1,857	341	2,198	2,198
Pacific coast	.....	.....	.....	.....	.....	2,243	2,243
Mississippi River	.....	.....	.....	.....	.....	64,273	64,273
Interior rivers	.....	.....	.....	.....	.....	360	360
Canals and connecting channels	.....	.....	.....	14	.....	7,294	7,294
Waterways not tributary to Atlantic, Pacific, or Gulf coast	.....	.....	.....	.....	.....	6	6
Total	17,920	220,177	238,097	1,022,877	502,459	2,614,016	2,852,113
Adjusted total	17,920	220,177	238,097	.....	.....	1,307,008	1,545,105

[1] Includes local traffic not shown under receipts and shipments.

TABLE No. 17.—*Receipts and shipments of coal by water, 1921.*

[Quantities expressed in short tons.]

Locality.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total.[1]	
Ports:							
Atlantic coast	28,341	8,892,661	8,921,002	11,881,719	15,119,871	80,897,529	89,818,531
Gulf coast	339	169,527	169,866	204,036	49,143	253,279	423,145
Pacific coast	533,505	17,224	550,729	225,421	81,258	318,743	869,472
Great Lakes	.....	5,543,705	5,543,705	23,197,221	23,320,157	46,521,813	52,065,518
Rivers:							
Atlantic coast	.....	.....	.....	1,824,353	78,118	3,018,621	3,018,621
Gulf coast	.....	.....	.....	12,513	189,527	202,040	202,040
Pacific coast	.....	.....	.....	.....	265	1,176	1,176
Mississippi River	.....	.....	.....	.....	.....	19,533,710	19,533,710
Interior rivers	.....	.....	.....	.....	.....	204,788	204,788
Canals and connecting channels	.....	.....	.....	92,189	.....	160,205	160,205
Total	562,185	14,623,117	15,185,302	37,437,452	38,838,339	151,111,904	166,297,206
Adjusted total	562,185	14,623,117	15,185,302	.....	.....	75,555,952	90,741,254

[1] Includes local traffic not shown under receipts and shipments.

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TABLE NO. 18.—*Receipts and shipments of copper by water, 1921.*

[Quantities expressed in short tons.]

Locality.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total.[1]	
Ports:							
Atlantic coast	285,860	140,845	426,705	18,162	16,518	922,129	1,348,834
Gulf coast		1,290	1,290		71,479	71,479	72,769
Pacific coast	118,000	32,885	150,885	99,937	27,748	127,685	278,570
Great Lakes		2,202	2,202	214,840	30,278	245,118	247,320
Rivers:							
Atlantic coast				9,343		9,343	9,343
Pacific coast						5,761	5,761
Canals and connecting channels						411	411
Total	403,860	177,222	581,082	342,282	146,023	1,381,926	1,963,008
Adjusted total	403,860	177,222	581,082			690,963	1,272,045

[1] Includes local traffic not shown under receipts and shipments.

TABLE NO. 19.—*Receipts and shipments of cotton by water, 1921.*

[Quantities expressed in short tons.]

Locality.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total.[1]	
Ports:							
Atlantic coast	43,358	279,143	322,501	218,175	132,993	497,852	820,353
Gulf coast		1,213,932	1,213,932	42,031	95,889	137,920	1,351,852
Pacific coast	15	97,099	97,114	212	5,019	5,231	102,345
Rivers:							
Atlantic coast				5,358	6,974	12,332	12,332
Gulf coast				1,903	3,884	5,687	5,687
Pacific coast						5	5
Mississippi River						245,628	245,628
Canals and connecting channels						7,500	7,500
Total	43,373	1,590,174	1,633,547	267,579	244,759	912,155	2,545,702
Adjusted total	43,373	1,590,174	1,633,547			456,078	2,089,625

[1] Includes local traffic not shown under receipts and shipments.

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TABLE No. 20.—*Receipts and shipments of fertilizer by water, 1921.*

[Quantities expressed in short tons.]

Locality.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total.[1]	
Ports:							
Atlantic coast	412,643	170,974	583,617	777,154	351,776	1,380,519	1,964,136
Gulf coast	113,567	395,559	509,126	15,702	447,678	464,538	973,664
Pacific coast	31,805	3,504	35,309	56,220	48,550	106,031	141,340
Great Lakes	4,964	5,617	10,581	.....	5,340	5,340	15,921
Rivers:							
Atlantic coast	.....	.....	.....	285,311	62,804	348,119	348,119
Gulf coast	.....	.....	.....	8,742	6,155	15,323	15,323
Pacific coast	.....	.....	.....	.....	.....	581	581
Mississippi River	.....	.....	.....	.....	.....	20,388	20,388
Canals and connecting channels	.....	.....	.....	1,019	.....	130,263	130,263
Total	562,979	575,654	1,138,633	1,144,148	922,303	2,471,102	3,609,735
Adjusted total	562,979	575,654	1,138,633	.....	.....	1,235,551	2,374,184

[1] Includes local traffic not shown under receipts and shipments.

TABLE No. 21.—*Receipts and shipments of grain by water, 1921.*

[Quantities expressed in short tons.]

Locality.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total.[1]	
Ports:							
Atlantic coast	25,295	5,323,699	5,348,994	504,281	43,518	1,725,389	7,074,383
Gulf coast	32	5,697,270	5,697,302	262,078	172,857	438,136	6,135,438
Pacific coast	14,723	1,747,880	1,762,603	193,168	212,278	428,272	2,190,875
Great Lakes	2,774,541	2,281,967	5,056,508	4,112,675	5,373,709	9,486,888	14,543,396
Rivers:							
Atlantic coast	.....	.....	.....	369,045	29,941	399,811	399,811
Gulf coast	.....	.....	.....	15,599	2,554	19,353	19,353
Pacific coast	.....	.....	.....	.....	.....	425,485	425,485
Mississippi River	.....	.....	.....	.....	.....	1,187,880	1,187,880
Canals and connecting channels	.....	.....	.....	.....	1,466	33,133	33,133
Waterways not tributary to Atlantic, Pacific, or Gulf coast	.....	25	25	.....	.....	500	525
Total	2,814,591	15,050,841	17,865,432	5,456,846	5,836,323	14,144,847	32,010,279
Adjusted total	2,814,591	15,050,841	17,865,432	.....	.....	7,072,424	24,937,856

[1] Includes local traffic not shown under receipts and shipments.

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TABLE NO. 22.—*Receipts and shipments of iron ore by water, 1921.*

[Quantities expressed in short tons.]

Locality.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total.[1]	
Ports:							
Atlantic coast	491,375	1,747	493,122	9,149	2,250	147,374	640,496
Gulf coast	6,748	.....	6,748	.....	.....	.....	6,748
Pacific coast	735	.....	735	.....	.....	.....	735
Great Lakes	7,000	514,801	521,801	42,421,882	22,508,784	64,930,666	65,452,467
Rivers:							
Atlantic coast	.....	.....	.....	2,217	.....	2,262	2,262
Gulf coast	.....	.....	.....	17,118	.....	17,118	17,118
Mississippi River	.....	.....	.....	.....	.....	3,552	3,552
Total	505,858	516,548	1,022,406	42,450,366	22,511,034	65,100,972	66,123,378
Adjusted total	505,858	516,548	1,022,406	.....	.....	32,550,486	33,572,892

[1] Includes local traffic not shown under receipts and shipments.

TABLE NO. 23.—*Receipts and shipments of iron and steel by water, 1921.*

[Quantities expressed in short tons.]

Locality.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total.[1]	
Ports:							
Atlantic coast	38,057	379,008	417,065	87,465	58,663	1,052,104	1,469,169
Gulf coast	4,285	108,981	113,266	35,319	8,561	43,880	157,146
Pacific coast	42,034	101,875	143,909	175,138	13,503	195,656	339,565
Great Lakes	.....	7,569	7,569	4,634	38,771	43,405	50,974
Rivers:							
Atlantic coast	.....	.....	.....	12,724	2,494	15,218	15,218
Gulf coast	.....	.....	.....	430	86	516	516
Pacific coast	.....	.....	.....	.....	.....	8,661	8,661
Mississippi River	.....	.....	.....	.....	.....	235,113	235,113
Interior rivers	.....	.....	.....	.....	.....	500	500
Canals and connecting channels	.....	.....	.....	.....	.....	2,369	2,369
Total	84,376	597,433	681,809	315,710	122,078	1,597,422	2,279,231
Adjusted total	84,376	597,433	681,809	.....	.....	798,711	1,480,520

[1] Includes local traffic not shown under receipts and shipments.

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TABLE No. 24.—*Receipts and shipments of lumber by water, 1921.*

[Quantities expressed in short tons.]

Locality.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total.[1]	
Ports:							
Atlantic coast	304,499	375,010	679,509	1,293,661	424,410	2,519,178	3,198,687
Gulf coast	77,383	1,354,082	1,431,465	1,105,089	215,678	1,321,281	2,752,746
Pacific coast	120,298	1,107,646	1,227,944	3,664,142	2,231,390	12,354,652	13,582,596
Great Lakes	152,788	5,078	157,866	236,474	128,814	367,316	525,182
Rivers:							
Atlantic coast	1,838	.....	1,838	398,766	882,216	1,331,998	1,333,836
Gulf coast	.....	.....	.....	2,076,762	730,867	2,847,213	2,847,213
Pacific coast	.....	.....	.....	3,043	93,533	4,207,702	4,207,702
Mississippi River	.....	.....	.....	.....	.....	2,338,026	2,338,026
Interior rivers	.....	.....	.....	.....	.....	1,307	1,307
Canals and connecting channels	53,279	52,280	105,559	646	79,956	1,596,131	1,701,690
Waterways not tributary to Atlantic, Pacific, or Gulf coast	8,337	.....	8,337	.....	.....	61,506	69,843
Total	718,422	2,894,096	3,612,518	8,688,583	4,786,864	28,946,310	32,558,828
Adjusted total	718,422	2,894,096	3,612,518	.....	.....	14,473,155	18,085,673

[1] Includes local traffic not shown under receipts and shipments.

TABLE No. 25.—*Receipts and shipments of petroleum by water, 1921.*

[Quantities expressed in short tons.]

Locality.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total.[1]	
Ports:							
Atlantic coast	6,465,815	2,595,676	9,061,491	5,333,929	2,590,368	18,454,850	27,516,341
Gulf coast	9,588,380	5,687,187	15,275,567	2,514,133	10,390,822	12,938,169	28,213,736
Pacific coast	63,847	1,722,337	1,786,184	5,829,696	4,839,783	10,844,372	12,630,556
Great Lakes	.....	49,053	49,053	1,180,403	13,551	1,193,954	1,243,007
Rivers:							
Atlantic coast	624,126	.....	624,126	897,279	888,038	1,844,258	2,468,384
Gulf coast	.....	.....	.....	140,177	402	141,303	141,303
Pacific coast	.....	.....	.....	295	.....	400,837	400,837
Mississippi River	.....	.....	.....	.....	.....	6,003,283	6,003,283
Canals and connecting channels	.....	.....	.....	316	.....	285,241	285,241
Waterways not tributary to Atlantic, Pacific, or Gulf coast	.....	.....	.....	.....	.....	96	96
Total	16,742,168	10,054,253	26,796,421	15,896,228	18,722,964	52,106,363	78,902,784
Adjusted total	16,742,168	10,054,253	26,796,421	.....	.....	26,053,182	52,849,603

[1] Includes local traffic not shown under receipts and shipments.

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TABLE NO. 26.—*Receipts and shipments of pulpwood and wood pulp by water, 1921.*

[Quantities expressed in short tons.]

Locality.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total.[1]	
Ports:							
Atlantic coast	284,193	1,847	286,040	90,673	11,618	137,045	423,085
Gulf coast	1,400	.....	1,400	102	223	325	1,725
Pacific coast	3,041	9	3,050	1,487	1,001	2,488	5,538
Great Lakes	351,807	.....	351,807	217,936	123,911	343,836	695,637
Rivers:							
Atlantic coast	5,432	.....	5,432	38,976	207,208	246,184	251,616
Gulf coast	.....	.....	.....	39	.....	39	39
Pacific coast	.....	.....	.....	.....	.....	20,044	20,044
Mississippi River	.....	.....	.....	.....	.....	185,402	185,402
Interior rivers	.....	.....	.....	.....	.....	5,440	5,440
Canals and connecting channels	.....	.....	.....	.....	.....	1,578	1,578
Waterways not tributary to Atlantic, Pacific, or Gulf coast	.....	.....	.....	.....	.....	1,360	1,360
Total	645,873	1,856	647,729	349,213	343,961	943,735	1,591,464
Adjusted total	645,873	1,856	647,729	.....	.....	471,868	1,119,597

[1] Includes local traffic not shown under receipts and shipments.

TABLE NO. 27.—*Receipts and shipments of sand and gravel by water, 1921.*

[Quantities expressed in short tons.]

Locality.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total.[1]	
Ports:							
Atlantic coast	11,978	25,679	37,657	5,120,811	2,653,309	9,366,669	9,404,326
Gulf coast	483	220	703	195,764	118,013	352,577	353,280
Pacific coast	8,692	15	8,707	282,669	365,963	1,456,512	1,465,219
Great Lakes	514,378	2,075	516,453	2,608,403	234,852	3,498,008	4,014,461
Rivers:							
Atlantic coast	.....	.....	.....	1,367,077	1,959,298	3,425,606	3,425,606
Gulf coast	.....	.....	.....	483,912	311,583	795,495	795,495
Pacific coast	.....	.....	.....	.....	.....	992,542	992,542
Mississippi River	.....	.....	.....	.....	.....	9,477,277	9,477,277
Interior rivers	.....	.....	.....	.....	.....	260,929	260,929
Canals and connecting channels	.....	.....	.....	.....	.....	332,806	332,806
Waterways not tributary to Atlantic, Pacific, or Gulf coast	.....	.....	.....	.....	.....	4,500	4,500
Total	535,531	27,989	563,520	10,058,636	5,643,018	29,962,921	30,526,441
Adjusted total	535,531	27,989	563,520	.....	.....	14,981,461	15,544,981

[1] Includes local traffic not shown under receipts and shipments.

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TABLE No. 28.—*Receipts and shipments of stone by water, 1921.*

[Quantities expressed in short tons.]

Locality.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total.[1]	
Ports:							
Atlantic coast	50		50	2,216,719	10,451	2,442,466	2,442,516
Gulf coast				12,607		12,607	12,607
Pacific coast				34,263		34,263	34,263
Great Lakes		24,343	24,343	3,170,463	45,844	3,216,307	3,240,650
Rivers:							
Atlantic coast				221,323	1,873,849	2,130,125	2,130,125
Gulf coast				5,725	5,367	11,092	11,092
Pacific coast						12,350	12,350
Mississippi River						502,092	502,092
Interior rivers						15,993	15,993
Canals and connecting channels						182,362	182,362
Total	50	24,343	24,393	5,661,100	1,935,511	8,559,657	8,584,050
Adjusted total	50	24,343	24,393			4,279,829	4,304,222

[1] Includes local traffic not shown under receipts and shipments

TABLE No. 29.—*Receipts and shipments of sugar by water, 1921.*

[Quantities expressed in short tons.]

Locality.	Foreign.			Domestic.			Grand total.
	Imports.	Exports.	Total.	Receipts.	Shipments.	Total.[1]	
Ports:							
Atlantic coast	2,371,869	182,272	2,554,141	232,229	464,157	1,272,348	3,826,489
Gulf coast	675,924	32,144	708,068	91,640	83,623	176,054	884,122
Pacific coast	39,685	4,477	44,162	589,671	452,572	1,042,557	1,086,719
Great Lakes	25,871		25,871	7,191	19,167	26,358	52,229
Rivers:							
Atlantic coast				21,449	809	22,415	22,415
Gulf coast				44,674	785	45,459	45,459
Pacific coast						12,541	12,541
Mississippi River						211,101	211,101
Canals and connecting channels						8,570	8,570
Total	3,113,349	218,893	3,332,242	986,854	1,021,113	2,817,403	6,149,645
Adjusted total	3,113,349	218,893	3,332,242			1,408,702	4,740,944

[1] Includes local traffic not shown under receipts and shipments.

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COMPARATIVE STATEMENTS OF COMMERCE FOR PRECEDING YEARS AND THE DETAILED COMMERCE FOR THE CALENDAR YEAR 1921, OF HARBORS AND WATERWAYS OF THE UNITED STATES UNDER IMPROVEMENT.

[Arranged according to engineer districts.]

	Page.		Page.
Boston, Mass.	39	Nashville, Tenn.	832
Providence, R. I.	82	Chattanooga, Tenn.	843
New York, first district.	128	Florence, Ala.	852
New York, second district.	272	Ohio River	855
Philadelphia, Pa.	315	Pittsburgh, Pa.	860
Wilmington, Del.	336	Wheeling, W. Va.	867
Baltimore, Md.	370	Cincinnati, Ohio, second district.	872
Washington, D. C.	418	Louisville, Ky.	879
Norfolk, Va.	437	Duluth, Minn.	882
Wilmington, N. C.	476	Milwaukee, Wis.	909
Charleston, S. C.	525	Chicago, Ill.	970
Savannah, Ga.	546	Detroit, Mich.	980
Jacksonville, Fla.	584	Buffalo, N. Y.	1025
Montgomery, Ala.	637	Los Angeles, Calif.	1086
Mobile, Ala.	686	San Francisco, Calif., first district.	1099
New Orleans, La.	715	San Francisco, Calif., second district	1124
Galveston, Tex.	743	Portland, Oreg., first district.	1137
Vicksburg, Miss.	797	Portland, Oreg., second district.	1157
Memphis, Tenn.	815	Seattle Wash.	1177
St. Louis, Mo.	823	Juneau, Alaska	1237
Rock Island, Ill.	823	Honolulu, Hawaii	1242
St. Paul, Minn.	826	San Juan, P. R.	1256
Kansas City, Mo.	828	Mississippi River Commission	1261

BOSTON, MASS., DISTRICT.

ST. CROIX RIVER, ME.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1910	161,416	$1,780,406	(1)	1916	83,540	$5,292,465	13,496
1911	122,535	1,670,607	(1)	1917	61,806	1,380,137	13,950
1912	126,066	983,279	(1)	1918	23,355	553,290	4,000
1913	185,835	3,838,365	(1)	1919	17,806	340,779	(1)
1914	136,066	2,506,529	(1)	1920	15,214	348,698	(1)
1915	146,754	1,872,889	(1)	1921	21,412	621,815	(1)

[1] No statistics available.

[Navigation season, about 9 months.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Pulpwood	2,259	2,259	$38,532	$38,532
Total imports		2,259		38,532

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ST. CROIX RIVER, ME.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
Receipts, coastwise:					
Animals and animal products: Fish scrap	583		583	$17,490	$17,490
Wood and paper: Pulpwood	1,725		1,725	24,814	24,814
Nonmetallic minerals			7,796		77,272
Bituminous coal	2,200			17,600	
Anthracite coal	5,596			59,672	
Chemicals			4,441		99,660
Acid phosphate	3,475			41,700	
Nitrate of soda	966			57,960	
Unclassified: General		1,148	1,148	287,000	287,000
Total receipts, coastwise	14,545	1,148	15,693		506,236
Shipments, coastwise:					
Wood and paper: Lumber	3,423		3,423	67,797	67,797
Unclassified: General		37	37	9,250	9,250
Total shipments, coastwise	3,423	37	3,460		77,047
Total receipts and shipments	17,968	1,185	19,153		583,283

SUMMARY.

Classes of commodities.	Foreign.		Domestic coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			583	$17,490	583	$17,490
Wood and paper	2,259	$38,532	5,148	92,611	7,407	131,143
Nonmetallic minerals			7,796	77,272	7,796	77,272
Chemicals			4,441	99,660	4,441	99,660
Unclassified			1,185	296,250	1,185	296,250
Total	2,259	38,532	19,153	583,283	21,412	621,815

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.	Passengers.
Steamers	(1)		(1)	(1)
Sailing vessels	44		44	
Barges	6		6	
Motor boats	72	49	121	
Lighters	30		30	
Total	152	49	201	

[1] No information could be obtained.

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BAR HARBOR, ME.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1898	22,175	(1)	(1)	1912	26,864	$423,453	243,599
1899	24,393	(1)	(1)	1913	35,989	1,555,289	219,228
1900	(1)	(1)	(1)	1914	37,037	2,291,754	119,615
1901	42,150	(1)	(1)	1915	39,455	1,440,965	92,715
1902–1906	(1)	(1)	(1)	1916	33,239	1,684,463	92,199
1907	47,352	(1)	110,585	1917	27,723	2,570,203	75,157
1908	332,009	(1)	125,000	1918	27,327	2,066,671	53,618
1909	68,889	(1)	107,521	1919	20,648	1,710,083	68,891
1910	40,000	(1)	(1)	1920	23,954	1,379,751	51,687
1911	65,950	(1)	236,436	1921	30,556	1,821,719	[2] 45,677

[1] No statistics available.
[2] Complete record not obtainable.

[Navigation season, year round.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
Receipts, coastwise:					
Vegetable food products, etc			10,514		$373,810
Hay, grain, and flour	9,484	876		$343,010	
Fruit and vegetables		154		30,800	
Wood and paper			4,446		37,590
Lumber	326			9,780	
Wood	4,120			27,810	
Nonmetallic minerals			10,418		124,529
Anthracite coal	10,272			122,339	
Cement		146		2,190	
Chemicals—Fertilizer		36	36	1,440	1,440
Unclassified			4,489		1,113,750
Household goods		6		3,000	
General		4,483		1,110,750	
Total receipts	24,202	5,701	29,903		1,651,119
Shipments, coastwise:					
Animals and animal products—Fish, game, and poultry		70	70	35,000	35,000
Vegetable food products, etc.—Fruit and vegetables		28	28	5,600	5,600
Unclassified			555		130,000
Canned goods		70		8,759	
General		485		121,250	
Total shipments		653	653		170,600
Total receipts and shipments	24,202	6,354	30,556		$1,821,719

SUMMARY.

Classes of commodities.	Tons.	Value.
Domestic, coastwise:		
Animals and animal products	70	$35,000
Vegetable food products	10,542	379,410
Wood and paper	4,446	37,590
Nonmetallic minerals	10,418	124,529
Chemicals	36	1,440
Unclassified	5,044	1,243,750
Total	30,556	1,821,719

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BAR HARBOR, ME.—continued.

Vessel classification, 1921.

Classes.	American.	Passengers.
Steamers	(1)	[2] 45,677
Sailing vessels	65	.....
Barges	19	.....
Total	[1] 84	[2] 45,677

[1] A considerable traffic is handled by some five or six small steamers, which make two trips a week to adjacent points during fall and winter, and during the summer as many trips as traffic demands.
[2] Complete passenger record not obtainable.

PENOBSCOT RIVER, ME.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1891	931,780	(1)	(1)	1907	451,806	(1)	(1)
1892	714,935	(1)	(1)	1908	552,332	(1)	120,500
1893	565,887	(1)	(1)	1909	650,497	(1)	80,000
1894	750,313	(1)	(1)	1910	566,434	(1)	79,500
1895	617,859	(1)	(1)	1911	655,204	(1)	65,723
1896	715,911	(1)	(1)	1912	549,476	$11,000,000	78,500
1897	790,698	(1)	(1)	1913	551,789	4,975,600	(1)
1898	639,671	(1)	(1)	1914	571,721	4,634,597	62,000
1899	658,632	(1)	(1)	1915	432,436	4,984,022	51,850
1900	917,835	(1)	(1)	1916	396,028	7,857,096	50,295
1901	708,012	(1)	(1)	1917	340,198	8,229,880	26,381
1902	689,369	(1)	(1)	1918	310,062	7,664,711	22,094
1903	861,579	(1)	(1)	1919	299,185	8,860,754	37,457
1904	812,273	(1)	(1)	1920	306,399	9,489,428	47,632
1905	848,872	(1)	100,000	1921	491,325	12,863,698	[2] 19,945
1906	672,895	(1)	(1)				

[1] No statistics available. [2] Estimated.

[Navigation season, about 9 months.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
Receipts, coastwise:					
Animals and animal products:					
Poultry, game, and fish	.....	488	488	$240,000	$240,000
Vegetable food products, etc.	.....	.....	1,462	.....	253,440
Fruit and vegetables	.....	975	.....	195,000	.....
Sugar	.....	487	.....	58,440	.....
Wood and paper: Lumber	60	.....	60	2,000	2,000
Nonmetallic minerals	.....	.....	469,011	.....	8,418,026
Bituminous coal	291,697	.....	.....	2,262,719	.....
Anthracite coal	87,982	.....	.....	1,041,969	.....
Cement	.....	1,833	.....	32,800	.....
Oil	81,878	.....	.....	4,971,473	.....
Salt	194	.....	.....	7,740	.....
Brimstone	5,477	.....	.....	101,325	.....
Unclassified: General	.....	7,796	7,796	1,949,000	1,949,000
Total receipts	467,238	11,579	478,817	.....	10,862,466
Shipments, coastwise:					
Animals and animal products:					
Poultry, game, and fish	.....	728	728	374,000	374,000
Vegetable food products, etc.: Fruit and vegetables	.....	2,900	2,900	580,000	580,000
Wood and paper	.....	.....	5,232	.....	135,192
Lumber	4,873	.....	.....	131,602	.....
Ground pulp	359	.....	.....	3,590	.....
Unclassified: General	.....	3,648	3,648	912,040	912,040
Total shipments	5,232	7,276	12,508	.....	2,001,232
Total receipts and shipments	472,470	18,855	491,325	.....	12,863,698

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PENOBSCOT RIVER, ME.—continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Domestic, coastwise:		
Animals and animal products	1,216	$614,000
Vegetable food products, etc	4,362	833,440
Wood and paper	5,292	137,192
Nonmetallic minerals	469,011	8,418,026
Unclassified	11,444	2,861,040
Total	491,325	12,863,698

VESSEL CLASSIFICATION, 1921.

Classes.	American.	Passengers.
Steamers	300	[1] 19,945
Sailing vessels	37	.....
Barges	96	.....
Motor boats	40	.....
Total	473	[1] 19,945

[1] Estimated; complete record not available.

ROCKLAND HARBOR, ME.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1891	433,760	(1)	(1)	1907	556,250	(1)	129,375
1892	528,805	(1)	(1)	1908	493,950	(1)	135,149
1893	538,566	(1)	(1)	1909	828,795	(1)	133,714
1894	509,853	(1)	(1)	1910	700,220	(1)	132,940
1895	615,830	(1)	(1)	1911	605,150	(1)	131,933
1896	590,295	(1)	(1)	1912	712,990	$14,533,667	140,337
1897	594,992	(1)	(1)	1913	668,018	14,334,860	117,642
1898	597,300	(1)	(1)	1914	476,149	13,087,837	120,675
1899	755,649	(1)	(1)	1915	552,132	13,842,067	112,740
1900	553,000	(1)	(1)	1916	600,144	20,551,505	117,555
1901	522,175	(1)	(1)	1917	320,358	18,321,073	77,834
1902	470,825	(1)	(1)	1918	272,336	16,380,912	50,000
1903	498,660	(1)	(1)	1919	128,794	5,226,754	73,164
1904	512,170	(1)	(1)	1920	[2] 54,244	[2] 3,687,696	60,768
1905	562,950	(1)	(1)	1921	[2] 109,421	[2] 5,774,558	68,443
1906	591,250	(1)	59,190				

[1] No statistics available. [2] Complete statistics could not be obtained.

[Navigation season, year round.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products: Lobsters	108	108	$94,440	$94,440
EXPORTS.				
Nonmetallic minerals: Lime	9,000	9,000	204,750	204,750
Total imports and exports	.....	9,108	.....	299,190

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ROCKLAND HARBOR, ME.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
Receipts, coastwise:					
Animals and animal products: Fish and lobsters	1,538		1,538	$603,053	$603,053
Vegetable food products			831		307,580
Fruit and vegetables		547		273,500	
Sugar		284		34,080	
Wood and paper			2,159		49,610
Firewood	654			4,173	
Lumber	105			2,437	
Cooperage	1,400			43,000	
Nonmetallic minerals			70,635		1,256,159
Bituminous coal	36,677			267,576	
Anthracite coal	11,273			112,527	
Coke	143			1,430	
Lime		5,589		132,500	
Sand and gravel	600			1,200	
Granite	3,000			3,000	
Petroleum and products	13,353			737,926	
Unclassified: General		4,648	4,648	1,162,000	1,162,000
Total receipts, coastwise	68,743	11,068	79,811		3,378,402
Shipments, coastwise:					
Animals and animal products: Poultry, game, and fish		1,762	1,762	881,000	881,000
Vegetable food products			2,217		585,850
Flour and grain		1,057		52,850	
Hay	100			3,000	
Fruit and vegetables		1,060		530,000	
Nonmetallic minerals			15,288		321,366
Bituminous coal	1,783			15,636	
Cement and lime		13,505		305,730	
Unclassified: General		1,235	1,235	308,750	308,750
Total shipments, coastwise	1,883	18,619	20,502		2,096,966
Total receipts and shipments, coastwise	70,626	29,687	100,313		5,475,368

SUMMARY.

Classes of commodities.	Foreign.				Domestic.		Total.	
	Imports.		Exports.		Coastwise.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	108	$94,440			3,300	$1,484,053	3,408	$1,578,493
Vegetable food products					3,048	893,430	3,048	893,430
Wood and paper					2,159	49,610	2,159	49,610
Nonmetallic minerals			9,000	$204,750	85,923	1,577,525	94,923	1,782,275
Unclassified					5,883	1,470,750	5,883	1,470,750
Total	108	94,440	9,000	204,750	100,313	5,475,368	109,421	5,774,558

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.	Passengers.
Steamers		6	6	68,443
Sailing vessels	25		25	
Barges	55		55	
Motor boats	752	27	779	
Lighters	61		61	
Total	893	33	926	68,443

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GEORGES RIVER, ME.

THOMASTON HARBOR.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1896	45,375	(1)	(1)	1906	18,950	(1)	(1)
1897	64,260	(1)	(1)	1907-1913	(1)	(1)	(1)
1898	59,000	(1)	(1)	1914	22,500	$275,000	9,100
1899	60,000	(1)	(1)	1915	13,188	250,000	6,000
1900	29,225	(1)	(1)	1916	22,850	414,150	7,500
1901	60,000	(1)	(1)	1917	19,025	440,950	7,500
1902	45,000	(1)	(1)	1918	5,198	379,000	500
1903	21,050	(1)	(1)	1919	5,675	257,800	500
1904	(1)	(1)	(1)	1920	4,520	69,760	2,852
1905	25,300	(1)	(1)	1921	6,787	96,600	1,000

[1] No statistics available.

[Navigation season, about 10 months.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
Vegetable food products: Grain		25	25	$750	$750
Wood and paper			1,450		11,500
Lumber	150			5,000	
Kiln wood	1,300			6,500	
Nonmetallic minerals: Anthracite coal	5,237		5,237	65,600	65,600
Unclassified			75		18,750
General		75		18,750	
Total receipts	6,687	100	6,787		96,600

SUMMARY.

Classes of commodities.	Tons.	Value.
Domestic, coastwise:		
Vegetable food products	25	$750
Wood and paper	1,450	11,500
Nonmetallic minerals	5,237	65,600
Unclassified	75	18,750
Total	6,787	96,600

Vessel classification, 1921.

Classes.	American.	Passengers.
Steamers	1	1,000
Sailing vessels	34	
Barges	4	
Motor boats	300	
Total	339	1,000

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KENNEBEC RIVER, ME.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1891	1,210,474	(1)	(1)	1907	329,582	$1,523,691	(1)
1892	1,263,145	(1)	(1)	1908	377,238	1,379,962	101,143
1893	970,938	(1)	(1)	1909	459,637	2,746,421	158,213
1894	1,207,965	(1)	(1)	1910	412,793	2,627,620	542,101
1895	1,162,972	(1)	(1)	1911	298,256	(1)	172,052
1896	(1)	(1)	(1)	1912	281,700	5,139,850	150,000
1897	665,991	(1)	(1)	1913	419,810	3,484,750	136,159
1898	1,211,808	(1)	(1)	1914	271,905	2,934,964	357,818
1899	714,199	(1)	(1)	1915	275,950	3,515,500	559,375
1900	716,930	(1)	(1)	1916	277,700	6,600,550	410,096
1901	542,626	(1)	(1)	1917	123,855	4,927,000	370,182
1902	431,118	(1)	(1)	1918	99,513	1,625,377	445,871
1903	499,849	(1)	(1)	1919	125,265	3,082,863	[2] 51,574
1904	468,980	(1)	88,954	1920	140,487	2,106,866	[2] 40,020
1905	400,735	(1)	(1)	1921	85,468	1,296,495	441,806
1906	997,548	$4,849,550	(1)				

[1] No statistics available. [2] Does not include ferry service.

[Navigation season, about 9 months.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Pulpwood	3,173	3,173	$19,588	$19,588

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
Receipts, coastwise:					
Wood and paper			5,110		$67,368
Lumber	3,535			$53,025	
Pulpwood	1,575			14,343	
Nonmetallic minerals			76,452		1,025,259
Bituminous coal	13,769			135,094	
Anthracite coal	52,532			772,380	
Coke	2,484			24,840	
Paving blocks	1,600			17,000	
Molding sand	400			400	
Core sand	200			200	
Feldspar	2,187			10,935	
Petroleum and its products	3,280			64,410	
Unclassified: General		583	583	146,780	146,780
Total receipts, coastwise	81,562	583	82,145		1,239,407
Shipments, coastwise:					
Unclassified: General		150	150	37,500	37,500
Total receipts and shipments, coastwise	81,562	733	82,295		1,276,907

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KENNEBEC RIVER, ME.—continued.

SUMMARY.

Classes of commodities.	Foreign, imports.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper	3,173	$19,588	5,110	$67,368	8,283	$86,956
Nonmetallic minerals			76,452	1,025,259	76,452	1,025,259
Unclassified			733	184,280	733	184,280
Total	3,173	19,588	82,295	1,276,907	85,468	1,296,495

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.	Passengers.
Steamers	530		530	
Sailing vessels	5		5	
Barges	112	4	116	
Motor boats	3,002		3,002	
Lighters	160		160	
Total	3,809	4	3,813	441,806

PORTLAND HARBOR, ME.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1891	1,368,237	(1)	(1)	1907	3,246,863	$36,719,676	1,221,379
1892	1,376,815	(1)	(1)	1908	2,932,517	86,054,108	1,581,991
1893	1,432,805	(1)	(1)	1909	2,956,011	95,223,801	1,689,894
1894	1,214,887	(1)	(1)	1910	2,889,403	93,437,498	1,729,036
1895	1,339,064	(1)	(1)	1911	3,162,024	96,751,740	1,967,114
1896	1,357,575	(1)	(1)	1912	3,259,949	107,981,000	1,454,238
1897	1,326,844	(1)	(1)	1913	3,339,538	128,506,579	1,480,422
1898	1,334,752	(1)	(1)	1914	2,797,760	117,901,294	1,215,683
1899	1,620,284	(1)	(1)	1915	2,990,076	145,884,161	1,711,502
1900	2,261,008	(1)	(1)	1916	3,738,074	217,325,014	1,231,721
1901	2,461,515	(1)	(1)	1917	2,905,428	136,560,480	762,017
1902	2,224,091	(1)	(1)	1918	3,138,152	138,823,658	779,773
1903	2,312,457	(1)	(1)	1919	2,671,605	154,057,352	740,486
1904	2,233,475	(1)	1,301,742	1920	2,461,237	110,968,626	507,103
1905	2,576,403	(1)	1,129,484	1921	2,369,881	90,954,909	653,057
1906	2,546,625	(1)	1,213,384				

[1] No statistics available.

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PORTLAND HARBOR, ME.—continued.

[Navigation season, year round.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products		1,511		$356,885
Fish	1,466		$311,885	
Leather	45		45,000	
Vegetable food products		2,608		15,181,700
Onions	52		10,400	
Molasses	1		100	
Liquors	2,555		15,171,200	
Other vegetable products		7		3,500
Tobacco	2		3,000	
Seeds	5		500	
Textiles		987		1,517,900
Cotton	44		88,000	
Bags and bagging	243		72,900	
Thread	5		10,000	
Twine	1		1,000	
Linen	108		216,000	
Silk	4		8,000	
Wool	44		44,000	
Woolen goods	58		116,000	
Carpets	481		962,000	
Wood and paper		33,459		301,304
Lumber	726		21,790	
Pulpwood	28,298		231,424	
Wood pulp	4,334		43,340	
Furniture	1		750	
Books and paper	100		4,000	
Nonmetallic minerals		157,894		1,504,915
Fuel oil	110,215		997,435	
Gasoline	5		500	
Lubricating oils and greases	4		4,000	
Paraffin	1		1,000	
Clay	10		1,000	
Fire brick	40		2,000	
China clay	45,592		455,920	
Chinaware	4		800	
Earthenware	198		7,000	
Grindstones	16		2,500	
Glass	163		16,300	
Salt	1,646		16,460	
Ores, metals, and manufactures		570		276,450
Tin	23		57,500	
Copper and brass	41		10,250	
Manganese	355		71,000	
Paint (white lead)	40		80,000	
Cutlery	1		200	
Miscellaneous manufactured articles	110		57,500	
Machinery and vehicles: Machinery	115	115	55,000	55,000
Chemicals: Miscellaneous	103	103	51,500	51,500
Unclassified		1,475		460,800
Hats	9		4,500	
Linoleum	125		25,000	
Manila rope	164		49,200	
Settlers' effects	489		244,500	
All other	688		137,600	
Total imports		198,729		19,709,954
EXPORTS.				
Animals and animal products		25,308		8,259,555
Cattle	1,249		204,278	
Condensed milk	1,510		183,025	
Boxed meats	16,463		5,045,742	
Canned meats	456		127,186	
Butter	31		29,534	
Cheese	1,895		1,570,084	
Lard	3,148		705,260	
Eggs	462		250,883	
Fish	68		16,411	
Leather	10		105,755	
Boots and shoes	16		21,397	

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PORTLAND HARBOR, ME.—continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Vegetable food products		556,315		$35,334,397
Apples	768		$507,455	
Confectionery	4		3,304	
Glucose	93		30,987	
Hops	147		134,622	
Maple sirup	2		360	
Peas	196		11,386	
Macaroni	596		48,144	
Prepared cereals	245		232,219	
Grain and flour	554,264		34,365,970	
Other vegetable products		473		217,276
Rubber	192		95,592	
Seeds	281		121,684	
Textiles		263		76,016
Cotton	8		1,600	
Bags and bagging	134		18,327	
Cargo separation cloths	66		360	
Rags	39		42,200	
Wool	3		1,154	
Silk goods	5		1,300	
Hair and haircloth	8		11,075	
Wood and paper		5,857		269,097
Lumber	2,167		90,896	
Manufactured wooden articles	1,120		16,790	
Wall board	254		48,187	
Staves	103		3,234	
Tags	63		21,884	
Books and paper	2,150		88,106	
Nonmetallic minerals: Asbestos	1,782	1,782	214,315	214,315
Ores, metals, and manufactures		1,178		382,763
Brass	1		2,564	
Miscellaneous manufactured articles	1,177		380,199	
Machinery and vehicles		711		482,971
Agricultural implements	560		303,346	
Automobiles	102		101,801	
Typewriters	2		2,187	
Machinery	48		75,637	
Unclassified		356		84,045
Canned goods	305		33,763	
All other	51		50,282	
Total exports		592,243		45,320,435
Total imports and exports		790,972		65,030,389

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
Receipts, coastwise:					
Animals and animal products			11,234		$1,735,430
Fish	9,367			$922,305	
Canned goods		321		40,125	
Poultry and game		1,546		773,000	
Vegetable food products			7,608		1,042,940
Molasses		280		20,000	
Beans		548		109,600	
Hay		37		740	
Canned goods		1,798		71,920	
Fruits and vegetables		3,091		618,200	
Sugar		1,854		222,480	
Textiles: Wool		62	62	12,272	12,272
Wood and paper			27,101		1,158,245
Railroad ties	9,405			272,745	
Lumber	17,694			884,700	
Furniture		2		800	

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PORTLAND HARBOR, ME.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
Receipts, coastwise—Continued.					
Nonmetalic minerals			1,480,347		$14,768,571
Clay	7,502			$15,004	
Anthracite coal	88,043			968,473	
Bituminous coal	1,156,406			6,941,721	
Sand	2,450			2,450	
Stone	1,300			2,600	
Sulphur	42,659			2,132,950	
Fuel oil	103,600			925,000	
Petroleum and its products	78,387			3,780,373	
Ores, metals, and manufactures: Copper ore	867		867	17,340	17,340
Machinery and vehicles: Machinery		500	500	250,000	250,000
Chemicals: Fertilizer		1,000	1,000	40,000	40,000
Unclassified: General		27,601	27,601	4,140,250	4,140,250
Total receipts, coastwise	1,517,680	38,640	1,556,320		23,165,048
Shipments, coastwise:					
Animals and animal products			1,276		692,155
Fish	1			250	
Poultry and game		1,210		605,000	
Shoes		65		86,905	
Vegetable food products: Grain, flour, and feed		1,524	1,524	76,200	76,200
Textiles			548		109,200
Mops		5		1,000	
Hats		9		1,800	
All other		534		106,400	
Wood and paper			4,640		264,800
Paper		4,145		165,800	
Toys		34		6,800	
Furniture		75		15,000	
All other		386		77,200	
Nonmetallic minerals			4,744		63,701
Bituminous coal	2,028			16,224	
Anthracite coal	240			3,120	
Gasoline		405		20,160	
Coal-gas tar		1,665		18,382	
Water-gas tar		221		1,855	
Portland cement		120		2,400	
Lime		45		1,300	
Brick	20			260	
Ores, metals, and manufactures of			1,164		237,900
Copper ore	1,085			217,000	
Iron and steel		62		12,400	
Bronze and brass		2		1,000	
Plated ware		15		7,500	
Chemicals: Medicines		44	44	44,000	44,000
Unclassified			8,649		1,271,516
Canned goods		5,918		662,816	
Household effects		10		10,000	
Table water		210		21,000	
General		2,511		577,700	
Total shipments, coastwise	3,374	19,215	22,589		2,759,472
Total receipts and shipments, coastwise	1,521,054	57,855	1,578,909		25,924,520

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PORTLAND HARBOR, ME.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.		Total.	
	Imports.		Exports.		Coastwise.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	1,511	$356,885	25,308	$8,259,555	12,510	$2,427,585	39,329	$11,044,05
Vegetable food products	2,608	15,181,700	556,315	35,334,397	9,132	1,119,140	568,055	51,635,237
Other vegetable products	7	3,500	473	217,276	.....	.....	480	220,776
Textiles	987	1,517,900	263	76,016	610	121,472	1,860	1,715,388
Wood and paper	33,459	301,304	5,857	269,097	31,741	1,423,045	71,057	1,993,446
Nonmetallic minerals	157,894	1,504,915	1,782	214,315	1,485,091	14,832,272	1,644,767	16,551,502
Ores, metals, etc	570	276,450	1,178	382,763	2,031	255,240	3,779	914,453
Machinery and vehicles	115	55,000	711	482,971	500	250,000	1,326	787,971
Chemicals	103	51,500	.....	.....	1,044	84,000	1,147	135,500
Unclassified	1,475	460,800	356	84,045	36,250	5,411,766	38,081	5,956,611
Total	198,729	19,709,954	592,243	45,320,435	1,578,909	25,924,520	2,369,881	90,954,909

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.	Passengers.
Steamers	3,319	253	3,572	653,057
Sailing vessels	222	42	264	.....
Barges	188	5	193	.....
Motor boats	133	11	144	.....
Lighters	12	.....	12	.....
Total	3,874	311	4,185	653,057

SACO RIVER, ME.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1891	49,765	(1)	(1)	1907	46,120	$242,679	9,500
1892	47,108	(1)	(1)	1908	44,074	216,517	10,500
1893	52,765	(1)	(1)	1909	50,745	241,597	7,000
1894	47,350	(1)	(1)	1910	47,155	220,000	15,000
1895	62,129	(1)	(1)	1911	66,641	300,000	16,000
1896	46,956	(1)	(1)	1912	51,867	300,000	15,500
1897	42,214	(1)	(1)	1913	68,855	385,000	30,000
1898	44,508	(1)	(1)	1914	64,251	325,000	(1)
1899	46,597	(1)	(1)	1915	65,708	325,000	12,000
1900	50,354	(1)	(1)	1916	59,602	378,354	(1)
1901	42,625	(1)	(1)	1917	53,216	516,386	14,000
1902	38,072	(1)	(1)	1918	37,627	365,840	5,000
1903	33,879	(1)	(1)	1919	45,246	464,677	6,000
1904	39,730	(1)	(1)	1920	42,715	524,699	(1)
1905	48,537	(1)	(1)	1921	67,207	720,704	.....
1906	40,679	$206,735	(1)				

[1] No statistics available.

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SACO RIVER, ME.—continued.

[Navigation season, about 9½ months.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities. (bulk).	Amount in short tons, by classes.	Value.	
			By commodities.	By classes.
Receipts, coastwise:				
Wood and paper: Lumber	1,336	1,336	$27,900	$27,900
Nonmetallic minerals	.....	65,871	.....	692,804
Anthracite coal	35,082	.....	420,879	.....
Bituminous coal	30,789	.....	271,925	.....
Total receipts	67,207	67,207	.....	720,704

SUMMARY.

Classes of commodities.	Domestic, coastwise.	
	Tons.	Value.
Wood and paper	1,336	$27,900
Nonmetallic minerals	65,871	692,804
Total	67,207	720,704

Vessel classification, 1921.

American (registered):	
Sailing vessels	4
Barges	72
Total	76

PORTSMOUTH HARBOR, N. H.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1910	701,386	$1,956,564	(1)	1916	190,185	$1,318,200	729,842
1911	610,716	2,762,822	(1)	1917	109,781	1,094,122	725,221
1912	441,700	1,440,000	(1)	1918	141,346	1,612,359	755,571
1913	441,875	1,893,125	1,000,000	1919	54,395	568,192	1,056,279
1914	534,015	2,379,302	(1)	1920	86,348	955,909	783,296
1915	490,447	2,475,675	714,001	1921	98,754	916,838	460,201

[1] No statistics available.

[Navigation season, year round.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities (bulk).	Amount in short tons, by classes.	Value.	
			By commodities.	By classes.
RECEIPTS.				
Nonmetallic minerals	.....	98,754	.....	$916,838
Coal, anthracite	18,657	.....	$225,000	.....
Coal, bituminous	80,097	.....	691,838	.....
Total	98,754	98,754	.....	916,838

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Vessel classification, 1921.

American:	
Freight steamers (trips)	2
Passenger steamers (ferry for electric railroad) (trips)	11,130
Passenger steamers (Isle of Shoals) (trips)	180
Freight barges (trips)	43
Passengers	460,201

NEWBURYPORT HARBOR, MASS.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1899	180,600	(1)	1911	217,301	$863,099
1900	128,440	(1)	1912	148,047	671,056
1901	183,000	(1)	1913	177,064	910,359
1902	107,135	(1)	1914	183,428	967,374
1903	140,518	(1)	1915	174,887	978,000
1904	158,102	(1)	1916	90,606	756,504
1905	165,833	(1)	1917	43,906	488,849
1906	169,975	(1)	1918	23,854	239,262
1907	209,896	(1)	1919	42,371	559,645
1908	251,239	(1)	1920	32,230	627,946
1909	212,029	(1)	1921	54,289	622,854
1910	181,401	$951,254			

[1] No statistics available.

[Navigation season, year round.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities (bulk).	Amount in short tons by classes.	Value.	
			By commodities.	By classes.
Receipts, coastwise:				
Nonmetallic minerals		54,289		$622,854
Coal	41,689		$359,169	
Petroleum and its products	12,600		263,685	
Total receipts, coastwise	54,289	54,289		622,854

Vessel classification, 1921.

American barges, 63.

Cargoes in transit.

[Traffic of Merrimack River.]

Commodities.	Amount in short tons.	Value.
Coal	21,108	$216,200
Stone	2,669	5,338
Petroleum and its products	3,027	148,681
Total	26,804	370,219

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MERRIMACK RIVER, MASS.

[ABOVE NEWBURYPORT.]

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1899	52,000	(1)	1911	108,686	$485,618
1900	60,000	(1)	1912	86,651	438,706
1901	60,000	(1)	1913	108,669	551,000
1902	29,901	(1)	1914	88,559	501,285
1903	65,400	(1)	1915	89,529	530,655
1904	76,527	(1)	1916	43,082	408,231
1905	88,324	(1)	1917	18,031	257,830
1906	73,827	(1)	1918	15,681	178,248
1907	98,442	(1)	1919	18,097	361,206
1908	113,840	(1)	1920	16,354	501,453
1909	107,621	(1)	1921	26,804	370,219
1910	102,178	$540,588			

[1] No statistics available.

[Length of the navigation season on the Merrimack River above Newburyport extends generally from Apr. 1 to Nov. 30.]

[Navigation season, about 8 months.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities (bulk).	Amount in short tons by classes.	Value.	
			By commodities.	By classes.
Receipts, coastwise:				
Nonmetallic minerals		26,804		$370,219
Coal	21,108		$216,200	
Stone	2,669		5,338	
Petroleum and its products	3,027		148,681	
Total receipts, coastwise		26,804		$370,219

Vessel classification, 1921.

American:	
Barges	9
Lighters	151
Towboats	151
Total	311

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GLOUCESTER HARBOR, MASS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1897	82,600	(1)	(1)	1910	214,266	$13,231,489	70,000
1898	86,050	(1)	(1)	1911	223,533	15,202,912	42,000
1899	287,922	(1)	(1)	1912	217,753	15,423,328	38,165
1900	267,475	(1)	75,000	1913	254,421	13,953,846	37,165
1901	263,684	(1)	75,000	1914	236,204	13,669,942	29,165
1902	285,736	(1)	60,000	1915	275,757	14,346,634	31,352
1903	328,501	(1)	80,000	1916	254,544	15,724,119	35,000
1904	263,526	(1)	85,000	1917[2]	239,272	17,790,516	667
1905	408,527	(1)	70,000	1918	188,340	17,295,956	1,000
1906	275,888	(1)	80,000	1919	164,058	12,949,722	300
1907	233,516	(1)	80,000	1920	138,364	9,508,770	4,234
1908	209,074	(1)	80,000	1921	91,353	7,242,763	7,500
1909	218,165	(1)	82,000				

[1] No statistics available.
[2] From and including 1917, 1 passenger steamer has been discontinued between Gloucester and Boston.

[Navigation season, year round.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products		3,127		$255,620
Fish	3,107		$254,678	
Fish oil	6		413	
Skins and waste	14		529	
Nonmetallic minerals: Salt	500	500	6,000	6,000
Unclassified: Canned goods	57	57	36,975	36,975
Total imports		3,684		298,595
EXPORTS.				
Animals and animal products: Fish	1,500	1,500	100,000	100,000
Nonmetallic minerals		225		2,556
Coal	24		330	
Salt	201		2,226	
Total exports		1,725		102,556
Total imports and exports		5,409		401,151

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GLOUCESTER HARBOR, MASS.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
Receipts, coastwise:					
Animals and animal products: Fish, fresh, dried, and salted	11,307	.....	11,307	$647,412	$647,412
Nonmetallic minerals	.....	.....	43,181	.....	592,783
Salt	1,305	.....	.....	15,960	.....
Petroleum and its products	3,737	.....	.....	168,486	.....
Coal	37,126	.....	.....	380,702	.....
Gas oil	1,013	.....	.....	27,635	.....
Wood and paper: Spruce lumber	300	.....	300	5,000	5,000
Unclassified: General	.....	12,603	12,603	1,840,450	1,840,450
Total receipts, coastwise	54,788	12,603	67,391	.....	3,085,645
Shipments, coastwise:					
Animals and animal products: Fish products	.....	9,250	9,250	2,333,017	2,333,017
Unclassified: General	.....	9,303	9,303	1,422,950	1,422,950
Total shipments, coastwise	.....	18,553	18,553	.....	3,755,967
Total receipts and shipments, coastwise	54,788	31,156	85,944	.....	6,841,612

SUMMARY.

Classes of commodities.	Foreign.				Domestic, coastwise.		Total.	
	Imports.		Exports.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair	3,127	$255,620	1,500	$100,000	20,557	$2,980,429	25,184	$3,336,049
Nonmetallic minerals	500	6,000	225	2,556	43,181	592,783	43,906	601,339
Wood and paper	.....	.....	.....	.....	300	5,000	300	5,000
Unclassified	57	36,975	.....	.....	21,906	3,263,400	21,963	3,300,375
Total	3,684	298,595	1,725	102,556	85,944	6,841,612	91,353	7,242,763

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.	Passengers.
Steamers [1]	1,254	7	1,261	.....
Sailing vessels	1,320	69	1,389	.....
Barges	44	.....	44	.....
Motor boats	747	.....	747	.....
Lighters	228	.....	228	.....
Total	3,593	76	3,669	7,500

[1] In addition one freight and passenger steamer makes daily trips between Gloucester and Boston throughout the year, weather permitting; and five smaller steamers make daily trips during the season.

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BEVERLY HARBOR, MASS.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1901	47,378	(1)	1912	325,063	$2,173,365
1902	53,142	(1)	1913	455,521	3,321,757
1903	93,085	(1)	1914	420,957	3,159,242
1904	138,843	(1)	1915	473,455	3,439,674
1905	150,062	(1)	1916	504,598	4,625,056
1906	138,862	(1)	1917	444,695	5,113,377
1907	179,578	(1)	1918	389,944	4,813,677
1908	223,933	(1)	1919	336,201	5,826,701
1909	196,203	(1)	1920	244,973	6,113,645
1910	204,697	$1,296,318	1921	260,085	6,438,844
1911	244,628	1,464,354			

[1] No statistics available.

[Navigation season, year round.]

Freight traffic, 1291.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities (bulk).	Amount in short tons by classes.	Value.	
			By commodities.	By classes.
Receipts, coastwise:				
Nonmetallic minerals		259,460		$6,377,520
Coal	113,621		$915,718	
Gas oil	1,935		42,965	
Other oils	143,904		5,418,837	
Wood and paper: Long lumber	135	135	2,500	2,500
Unclassified: Miscellaneous	490	490	58,824	58,824
Total receipts	260,085	260,085		6,438,844

SUMMARY.

Classes of commodities.	Domestic, coastwise.	
	Tons.	Value.
Nonmetallic minerals	259,460	$6,377,520
Wood and paper	135	2,500
Unclassified	490	58,824
Total	260,085	6,438,844

Vessel classification, 1921.

American (registered):

Steamers	30
Sailing vessels	1
Barges	54
Total	85

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SALEM HARBOR, MASS.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1904	111,967	(1)	1913	91,617	$401,103
1905	130,800	(1)	1914	77,685	317,685
1906	(1)	(1)	1915	97,378	281,030
1907	(1)	(1)	1916	55,639	346,000
1908	(1)	(1)	1917	58,158	370,310
1909	150,759	(1)	1918	66,634	554,239
1910	40,006	(1)	1919	75,387	540,824
1911	38,981	(1)	1920	92,569	764,061
1912	38,970	$161,989	1921	104,666	924,798

[1] No statistics available.

[Navigation season, year round.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities (bulk).	Amount in short tons, by classes.	Value.	
			By commodities.	By classes.
RECEIPTS.				
Nonmetallic minerals		104,389		$919,548
Paving stone	13		$178	
Sand	450		750	
Coal, anthracite	24,115		272,398	
Coal, bituminous	79,811		646,222	
Wood and paper		277		5,250
Spruce lumber	165		3,000	
Hemlock lumber	112		2,250	
Total	104,666	104,666		924,798

SUMMARY.

Classes of commodities.	Domestic, coastwise.	
	Tons.	Value.
Nonmetallic minerals	104,389	$919,548
Wood and paper	277	5,250
Total	104,666	924,798

Vessel classification, 1921.

American:	
Steamer	1
Sailing vessels	2
Barges	68
Lighter	1
Total	72

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LYNN HARBOR, MASS.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1902	361,562	(1)	1912	466,637	$1,852,526
1903	296,579	(1)	1913	430,513	1,957,720
1904	290,364	(1)	1914	382,203	1,718,216
1905	356,161	(1)	1915	385,761	1,539,199
1906	343,784	(1)	1916	413,783	1,883,826
1907	366,327	(1)	1917	338,783	1,643,198
1908	353,362	(1)	1918	309,931	2,281,806
1909	359,195	(1)	1919	274,639	1,536,418
1910	433,808	$1,410,861	1920	264,026	2,607,116
1911	478,574	1,650,590	1921	285,729	[2] 14,458,216

[1] No statistics available.
[2] Includes estimate of $12,000,000 to cover value of general freight for which no accurate value has ever been ascertainable or included in previous years.

[Navigation season, year round.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Lumber	3,150	3,150	$26,266	$26,266

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS.					
Nonmetallic minerals			256,195		$2,380,102
Coal	239,272			$2,178,635	
Coke	482			6,073	
Gas oil	6,773			180,892	
Sand	9,668			14,502	
Wood and paper: Lumber	2,384		2,384	51,848	51,848
Unclassified: General cargo		12,000	12,000	6,000,000	6,000,000
Total receipts	258,579	12,000	270,579		8,431,950
SHIPMENTS.					
Unclassified: General cargo		12,000	12,000	6,000,000	6,000,000
Total receipts and shipments	258,579	24,000	282,579		14,431,950

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals			256,195	$2,380,102	256,195	$2,380,102
Wood and paper	3,150	$26,266	2,384	51,848	5,534	78,114
Unclassified			24,000	12,000,000	24,000	12,000,000
Total	3,150	26,266	282,579	14,431,950	285,729	14,458,216

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LYNN HARBOR, MASS.—continued.

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.
Registered:			
Sailing vessels	20	8	28
Barges	133		133
Express barges [1]	300		300
Towboats [1]	300		300
Unregistered: Lighters	18		18
Total	771	8	779

[1] Two barges, with towboat, make daily trips between Lynn and Boston with package freight, one barge per day.

PORT OF BOSTON, MASS.

(In addition to the main water front, for which no separate report is made, the following channels or tributaries, reported separately hereafter, are also included, viz, Chelsea Creek, Fort Point Channel, Mystic River, Island End River, Malden River, Dorchester Bay, Neponset River, Weymouth Fore River, and Weymouth Back River.)

Comparative statement of traffic.

Year.	Short tons.	Value.	Year.	Short tons.	Value.
1905	9,262,922	(1)	1914	9,883,546	[2] $281,983,255
1906	9,248,444	(1)	1915	[2] 8,146,783	333,903,719
1907	9,884,504	(1)	1916	[2] 8,189,080	436,447,753
1908	8,756,543	(1)	1917	[2] 7,204,961	500,832,443
1909	9,285,623	(1)	1918	[2] 8,178,015	588,712,842
1910	8,948,322	$222,978,605	1919	8,957,738	760,047,478
1911	8,832,960	221,808,089	1920	8,685,528	973,377,861
1912	9,345,934	257,601,318	1921	9,752,841	616,096,284
1913	10,203,171	246,068,866			

[1] No statistics available. [2] Complete tonnage could not be obtained.

[Navigation season, year round.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
DIRECT IMPORTS.				
Animals and animal products		51,655		$14,466,187
Butter and cheese	488		$321,401	
Hides, pelts, and skins, wet, pickled, salted, etc	12,036		5,511,024	
Fish and lobsters, fresh, salt, pickled, canned, preserved, etc	25,528		4,641,561	
Glue and glue stock	2,333		330,354	
Grease and tallow	1,472		173,191	
Meats	131		33,530	
Fish oil	4,288		681,773	
Bones, horns, and hornflour	1,466		55,865	
Casein	2,322		397,062	
Eggs	143		86,086	
Feathers	(1)		352	
Gelatin	21		19,278	
Leather	726		2,016,026	
Scrap leather	450		78,750	
Shoes	22		68,464	
Sod oil	61		10,614	
Wax	168		40,856	
Vegetable food products		467,970		79,444,634
Fruits and vegetables, natural, prepared, or preserved; and vegetable oils, including palm and olive oils	87,194		4,604,208	
Fruit and coffee	952		170,408	
Coffee	16,487		4,467,977	
Cocoa, cocoa beans, and cocoa powder	623		94,073	
Tea	12,362		6,279,896	
Ginger ale, lime juice, cider, and mineral water	204		51,554	
Nuts	1,799		402,358	

[1] Less than 1 ton in weight.

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PORT OF BOSTON, MASS.—continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
DIRECT IMPORTS—continued.				
Vegetable food products—Continued.				
Tapioca, tapioca flour, and pearl	1,327		$84,928	
Cloves	42		13,716	
Dairy feed	105		3,360	
Flour	22		1,782	
Horseradish	121		77,440	
Linseed	3,959		233,581	
Molasses	461		42,412	
Mustard seed	56		11,760	
Oilcakes	223		8,697	
Potato flour	168		5,376	
Sugar	341,310		62,801,840	
Sugar cane	200		15,600	
Pepper	226		35,030	
All other	129		38,638	
Other vegetable products		7,166		$3,416,751
Bulbs	134		36,850	
Seeds	361		88,700	
Cutch	11		1,056	
Eelgrass	148		80,660	
Gum gambier, gum damar, and tragasol	308		27,414	
Myrobolan	339		10,848	
Quebracho	848		11,872	
Quebracho extract	233		20,737	
Rubber	2,132		756,860	
Rubber shoes	10		21,200	
Rosin	139		5,143	
Shellac	1,392		1,361,376	
Senna leaves	224		67,424	
Starch	28		2,296	
Tobacco	423		864,612	
Wattle bark	425		43,775	
Lemon oil	11		15,928	
Textiles		224,701		103,029,095
Burlaps	39,479		6,869,346	
Rope, old rope, rags, bags, burlaps, and bagging	8,172		1,181,858	
Jute and brattice cloth, and jute yarn	45,856		3,808,232	
Cotton	36,898		17,194,468	
Cotton duck and cottons	892		1,965,416	
Carpets	12		52,536	
Cotton waste	173		21,971	
Flax, flaxwaste, and bagging	2,763		374,724	
Fiber	1,956		238,632	
Felt	17		17,969	
Gunnies and hessians	3,549		457,200	
Hemp or hemp fiber	1,927		430,356	
Kapok, mohair, and yarn	1,491		2,077,048	
Linens	13		38,938	
Silk noils and silk waste	123		199,998	
Sisal	330		34,650	
Thread waste	22		35,772	
Wool	80,200		67,207,600	
Wool grease	179		18,795	
Wool tops, noils, and clips	649		794,586	
Wood and paper		80,654		6,232,620
Logs	7,560		465,546	
Lumber and boards	17,662		426,541	
Timber	374		1,683	
Laths	160		3,680	
Shingles	550		23,100	
Piling	2,649		29,799	
Wooden crates	4		96	
Furniture	42		7,560	
Rattan	2,245		379,405	
Pulpwood	33		234	
Woodpulp	26,504		2,968,448	
Paper	971		97,100	
Print paper	6,163		610,137	
Newsprint paper	5,042		499,158	
Wrapping paper	10		920	
Tissue paper	33		37,356	
Paper manufactures	1		1,189	
Paper stock	3,394		128,972	
Waste paper	307		26,095	
Strawboard	51		8,262	
Pulp	6,668		373,408	
All other	231		143,931	

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PORT OF BOSTON, MASS.—continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
DIRECT IMPORTS—continued.				
Nonmetallic minerals		1,191,436		$9,837,171
Emery and bauxite ores	5,176		$75,384	
Chalk and chalk precipitate	11,402		21,716	
China clay	19,610		196,100	
Crockery, glassware, and earthenware	1,309		42,210	
Earth and fuller's earth	327		4,003	
Firebrick	656		18,368	
Flint pebbles	341		3,751	
Granite and polished granite	627		18,924	
Glass, hollow glass, and window glass	1,323		143,999	
Grindstone	512		16,896	
Crude oil	1,130,958		8,606,590	
Fuel oil, gasoline, oil distillate, miscellaneous oil, and oil stores	14,053		343,342	
Gypsum fertilizer rock	336		638	
Iron	319		12,760	
Iron bars and muck bars	124		10,772	
Iron sand	18		648	
Marble, marble chips, and marble works	219		12,365	
Salt and rock salt	3,503		29,571	
All other	623		279,134	
Ores, metals, and manufactures of		1,218		270,172
Antimony	60		3,900	
Antimony regulus	29		1,885	
Ferromanganese	126		10,962	
Magnesium bars and powder	1		1,716	
Spelter	441		13,671	
Steel	54		9,720	
Steel wire	6		3,738	
Tin	252		155,232	
Tinplates	124		29,884	
Zinc sheets	67		5,628	
Aluminum sheets	38		33,136	
Iron drums	20		700	
Machinery and vehicles: Auto parts, machinery, pumps, and tools	3,798	3,798	2,076,365	2,076,365
Chemicals		38,189		3,405,709
Acids, cresylic, carbolic, oxalic, etc	239		42,145	
Alum	66		3,300	
Argols	23		3,358	
Cresol	12		1,812	
Salts, Glauber, Epsom, manure, etc	7,456		162,404	
Kainite	569		10,242	
Potashes, caustic, muriate, chlorine, nitrate, etc	17,897		2,053,282	
Sodas, sulphide, sulphite, sulphate, nitrate, chlorate, arsenate, carbonate, hyposulphite and calcium	7,580		563,330	
Soda ash	2,384		116,816	
Sulphate screenings	61		1,098	
Miscellaneous fertilizers	123		4,305	
Bleaching powder and whiting	307		6,889	
Coal-tar oil	106		3,604	
Cream of tartar	179		136,040	
Firecrackers	280		99,400	
Iron oxide	39		3,705	
Pitch	43		375	
Salammoniac	369		43,173	
Soap	140		51,800	
Paint	19		10,697	
All other	297		87,934	
Unclassified		82,605		13,189,741
Empty barrels, drums, and casks	217		6,293	
Bristles	20		149,500	
Chinese merchandise	82		29,110	
Canned goods	134		16,750	
Contractor's outfit	5		125	
Fishhooks	6		1,716	
Household effects	1		100	
Junk	18		36	
Matches	326		166,912	
Clay pipes	15		30,000	
Toys and mirrors	419		586,600	
Waste	21		1,449	
General	44,139		6,620,850	

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PORT OF BOSTON, MASS.—continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
INDIRECT IMPORTS.				
Cargoes passing through other American ports before arriving at Boston	37,202		$5,580,300	
Total imports		2,149,392		$235,368,445
DIRECT EXPORTS.				
Animals and animal products		33,467		10,637,896
Meats, fresh, canned, pickled, frozen, etc	14,444		3,847,347	
Lambs' carcasses	2,373		614,607	
Ground bone	336		11,088	
Hides, pelts, and skins	602		233,264	
Leather	1,875		2,985,399	
Leather scrap	18		3,150	
Boots and shoes	378		1,176,336	
Cheese	200		129,000	
Cattle, sheep, and feed	7,827		605,399	
Sausage casings	26		10,296	
Fish	2,316		397,582	
Eggs	14		14,428	
Glue	41		13,858	
Grease	898		105,964	
Lard and tallow	1,507		337,147	
Milk	151		37,901	
Oleo oil	390		88,920	
Poultry	49		26,166	
Oyster shells	22		44	
Vegetable food products		235,701		19,628,298
Fruit and vegetables	28,180		1,940,322	
Meal and corn flour	271		10,319	
Prepared cereals	1,484		117,148	
Groceries and provisions	47,768		7,165,200	
Bran and middlings	1		28	
Barley and rye	6,271		312,431	
Sugar	21,893		4,028,312	
Flour	4,222		338,062	
Corn	42,629		1,193,612	
Coffee	2,039		432,268	
Confectionery	2		3,800	
Glucose	45		2,385	
Molasses	1,378		126,776	
Malt	358		26,492	
Oats	6,705		207,855	
Peanuts	69		9,039	
Sirup	699		47,532	
Tea	27		10,044	
Wheat	64,586		3,293,886	
Grain, miscellaneous	7,061		360,111	
All other	13		2,676	
Other vegetable products		5,140		4,567,835
Rubber thread	36		11,700	
Rubbers	5		10,600	
Rubber manufactures	3		3,195	
Drugs	11		7,381	
Resin	50		1,850	
Seed	23		5,635	
Tobacco	4,943		4,517,902	
Tanning extract	22		1,958	
Turpentine	47		7,614	
Textiles		10,536		3,399,895
Burlap bags	1		90	
Cotton	2,722		1,189,514	
Cotton duck	1		497	
Cotton line	274		204,130	
Cotton waste	4,695		596,265	
Dry goods, cotton manufactures, and cotton piece goods	344		451,640	
Old clothes	17		29,240	
Hog hair	55		15,510	
Rope	166		64,242	
Fish netting	21		15,645	
Rags	115		10,120	
Twine	385		110,110	
Wool	795		299,715	
Waste	790		54,510	

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PORT OF BOSTON, MASS.—continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
DIRECT EXPORTS—continued.				
Textiles—Continued.				
Yarn	149		$354,471	
Fishing line	4		2,980	
All other	2		1,216	
Wood and paper		12,380		$1,258,544
Beaver board and cardboard	50		2,896	
Matchwood and match blocks	6,309		681,372	
Wood rollers	208		9,568	
Woodwork and wood manufactures	109		28,686	
Wooden cases, crates, and kegs	93		2,292	
Corkwood	3		288	
Furniture	73		10,950	
Lumber	1,646		37,858	
Logs	148		1,391	
Last blocks	281		32,315	
Staves	170		6,970	
Dowels	2		330	
Empty spools	56		8,680	
Pulp	33		1,848	
Paper	2,712		271,200	
Newsprint paper	260		25,740	
Crepe paper	38		27,170	
Roofing paper	35		2,170	
Stationery	(1)		352	
Books and magazines	154		106,468	
Nonmetallic minerals		65,428		1,157,939
Asbestos	1,180		230,100	
Asbestos lumber	8		600	
Empty bottles	8		664	
Coal	13,397		80,918	
Clay pipe	23		828	
Cement	151		2,869	
Crude and fuel oil	37,999		368,105	
Lubricating and motor oil	694		77,700	
Gasoline	2,122		118,832	
Kerosene	1,439		51,804	
Miscellaneous oil	6,710		208,010	
Glassware	5		2,015	
Gravel	1,288		2,576	
Iron sand	30		1,080	
Iron shot	56		3,360	
Lime	213		4,473	
Marble	97		3,395	
Plaster retarder	5		10	
School slates	3		600	
Ores, metals, and manufactures of		7,025		2,109,284
Boiler, tubes, and parts	26		4,090	
Brass manufactures	37		57,165	
Copper	336		89,376	
Hardware	666		467,640	
Iron	5		200	
Iron pipe	1,579		200,533	
Pipe fittings	57		7,239	
Lead	3		276	
Nails, screws, and rivets	32		6,943	
Ore	101		404	
Radiators	33		4,950	
Steel and machinery steel	82		16,281	
Hoop steel	5		1,325	
Steel unions	13		2,925	
Steel plates	5		1,465	
Steel rods	1,121		125,552	
Steel goods	2,486		994,400	
Iron and steel manufactures	238		128,520	
Machinery and vehicles		2,679		1,233,295
Automobiles	31		25,730	
Tractors and agricultural implements	320		172,800	
Bicycle frames	5		7,000	
Telephone supplies	3		2,325	
Miscellaneous machinery and hardware	2,320		1,025,440	

[1] Less than 1 ton in weight.

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PORT OF BOSTON, MASS.—continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
DIRECT EXPORTS—continued.				
Chemicals		12,929		$909,504
Ammonia	286		$15,158	
Ammonium sulphate	1,345		65,905	
Alcohol	779		477,527	
Fertilizer	3,931		137,585	
Acid phosphate	4,540		54,480	
Potash muriate	18		1,656	
Soda nitrate	525		22,575	
Superphosphate	90		2,250	
Soda	1		44	
Tankages	493		14,790	
Miscellaneous fertilizer material	475		7,600	
Copper sulphate	21		2,541	
Coal-tar pitch	244		4,880	
Emulsion	21		14,091	
Medicines	13		8,723	
Creosote oil	1		35	
Paint and oil	138		77,694	
Soap	3		1,295	
Washing powder	5		675	
Unclassified		127,682		15,232,773
Building material	196		2,940	
Empty drums and butts	5		175	
Household goods	11		2,475	
Ink	6		10,440	
Boats	16		1,181	
Matches	17		8,704	
Relief goods	117		201,240	
Ship gear	3		1,697	
Buttons	1		933	
General	87,208		10,203,336	
INDIRECT EXPORTS.				
Cargoes passing through other American ports after clearing Boston	40,102		4,799,652	
Total exports		512,967		60,135,263
Total imports and exports		2,662,359		295,503,708

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
Receipts, coastwise:					
Animals and animal products			78,687		$13,554,532
Hides and leather		8,783		$4,391,500	
Poultry, game, fish, and fish products	51,259	18,645		9,163,032	
Vegetable food products			44,796		8,886,288
Sugar		3,557		654,488	
Molasses and sirup		22,883		2,105,236	
Fruits and vegetables		2,933		439,950	
Naval stores		15,423		5,686,614	
Textiles			46,149		20,140,087
Wool		12,010		6,341,250	
Cotton		16,005		7,458,330	
Cotton factory products		17,134		6,317,477	
Rope		1,000		23,000	
Wood and paper			64,202		2,289,774
Lumber	50,277			2,089,581	
Timber	6,948			31,266	
Laths		98		2,254	
Logs	1,000			25,000	
Ties	2,727			24,703	
Piling	600			10,000	
Doors and millwork		262		54,300	
Forest products		2,290		52,670	

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PORT OF BOSTON, MASS.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
Receipts, coastwise—Continued.					
Nonmetallic minerals			5,006,061		$30,407,909
Coal	4,493,742			$35,940,327	
Coke		42,354		916,404	
Sand and gravel	152,442			179,834	
Oils, various	305,877			13,009,594	
Cement		54		900	
Lime		504		10,764	
Stone, various	1,360			11,960	
Pebbles	265			530	
Sulphur	8,200			270,600	
Filter-cel	1,263			66,996	
Ores, Metals, and manufactures			1,021		50,240
Steel and iron	327			30,540	
Hardware		500		10,000	
Car wheels		194		9,700	
Machinery and vehicles			2,632		116,480
Boilers	1,620			60,000	
Machinery		1,012		56,480	
Chemicals			138,429		4,497,508
Fertilizer and materials	113,490			2,005,943	
Tar		312		4,066	
Coal tar		10,811		129,833	
Oil tar		4,890		58,216	
Soap		5,356		1,981,720	
Miscellaneous		3,570		317,730	
Unclassified			421,707		67,618,832
Canned goods		39,871		3,349,164	
Contractor's outfit		400		10,000	
Boats	33			6,600	
General		381,403		64,253,068	
Total receipts, coastwise	5,191,430	612,254	5,803,684		167,561,650
Shipments, coastwise:					
Animal and animal products			47,184		20,791,780
Poultry, fish, and game		27,968		11,183,780	
Hides and leather		19,216		9,608,000	
Vegetable food products			17,820		3,230,244
Sugar		7,566		1,392,144	
Fruits and vegetables		10,254		1,838,100	
Textiles: Rope		1,077	1,077	52,799	52,799
Wood and paper			5,435		122,642
Lumber	5,230			120,290	
Ties	200			2,000	
Tarred felt		5		352	
Nonmetallic minerals			425,440		10,432,259
Coal	71,346			494,258	
Coke		46,250		609,101	
Oil, various	297,140			9,302,246	
Sulphur	500			16,500	
Pyrites cinders	10,204			10,204	
Ores, metals, and manufactures			1,873		129,500
Iron and steel	1,509			111,300	
Car wheels		364		18,200	
Machinery and vehicles: Machinery		45	45	24,300	24,300
Chemicals			113,396		3,018,927
Fertilizers and chemicals		104,211		2,898,978	
Coal tar		33		966	
Water gas tar		9,106		118,378	
Roofing pitch		11		308	
Slag	35			297	
Unclassified			674,528		115,228,475
Ink		20		34,800	
Boats	22			4,400	
General		674,486		115,189,275	
Total shipments, coastwise	386,186	900,612	1,286,798		153,030,926
Total receipts and shipments, coastwise	5,577,616	1,512,866	7,090,482		320,592,576

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PORT OF BOSTON, MASS.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic, coastwise.		Total.	
	Imports.		Exports.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	51,655	$14,466,187	33,467	$10,637,896	125,871	$34,346,312	210,993	$59,450,395
Vegetable food products	467,970	79,444,634	235,701	19,628,298	62,616	12,116,532	766,287	111,189,464
Other vegetable products	7,166	3,416,751	5,140	4,567,835	.....	.....	12,306	7,984,586
Textiles	224,701	103,029,095	10,536	3,399,895	47,226	20,192,886	282,463	126,621,876
Wood and paper	80,654	6,232,620	12,380	1,258,544	69,637	2,412,416	162,671	9,903,580
Nonmetallic minerals	1,191,436	9,837,171	65,428	1,157,939	5,431,501	60,840,168	6,688,365	71,835,278
Ores, metals, and manufactures of	1,218	270,172	7,025	2,109,284	2,894	179,740	11,137	2,559,196
Machinery and vehicles	3,798	2,076,365	2,679	1,233,295	2,677	140,780	9,154	3,450,440
Chemicals	38,189	3,405,709	12,929	909,504	251,825	7,516,435	302,943	11,831,648
Unclassified	82,605	13,189,741	127,682	15,232,773	1,096,235	182,847,307	1,306,522	211,269,821
Total	2,149,392	235,368,445	512,967	60,135,263	7,090,482	320,592,576	9,752,841	616,096,284

Vessel classification, 1921.

FOREIGN TRADE, ENTRANCES AND CLEARANCES.

Classes.	Entered.		Cleared.		Total.	
	Number.	Net registered tonnage.	Number.	Net registered tonnage.	Number.	Net registered tonnage.
American vessels:						
Sail, cargo	25	5,564	12	5,178	37	10,742
Sail, ballast	1	3,036	15	7,137	16	10,173
Steam, cargo	387	1,038,500	94	278,329	481	1,316,829
Steam, ballast	22	73,087	147	367,018	169	440,105
Foreign vessels:						
Sail, cargo	93	15,146	58	9,612	151	24,758
Sail, ballast	1	149	47	6,311	48	6,460
Steam, cargo	625	1,419,345	347	746,710	972	2,166,055
Steam, ballast	25	58,469	80	68,056	105	126,525
Total	1,179	2,613,296	800	1,488,351	1,979	4,101,647

COASTWISE TRADE, ARRIVALS.

Classes.	Number.
Steamers	2,313
Schooners	209
Barks	2
Barges	2,451
Tugs	1,513
Total	6,488

No records are available as to net registered tonnage of coastwise vessels.

Passenger record, 1921.

Arrivals and departures.	Number.
American ports	422,581
Canadian ports	62,000
European ports	60,543
South and Central American ports	740
Asian and African ports	684
Total	546,548

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CHELSEA CREEK, MASS.

[Included in traffic of port of Boston.]

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1912	394,808	$6,906,779	1917	532,200	$15,606,280
1913	327,323	6,424,451	1918	592,225	7,521,682
1914	346,929	6,311,689	1919	561,602	15,346,611
1915	385,982	6,267,640	1920	961,149	26,988,296
1916	489,261	11,051,092	1921	469,955	19,370,414

[Navigation season, year round.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Piling	766	766	$7,203	$7,203
Nonmetallic minerals		77,061		678,500
Crude chalk	5,325		38,000	
Fuel oil	71,736		640,500	
Total imports		77,827		685,703

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Nonmetallic minerals			202,791		$10,667,845
Coal	20,490			$199,500	
Petroleum and its products	178,447			10,461,545	
Stone	800			3,200	
Cement		54		900	
Sand and gravel	3,000			3,000	
Wood and paper			1,900		19,270
Lumber	1,300			9,270	
Piling	600			10,000	
Ores, metals and manufactures of: Steel and iron		207	207	16,500	16,500
Chemicals: Coal tar	8,115		8,115	96,000	96,000
Total receipts, coastwise	212,752	261	213,013		10,799,615
SHIPMENTS, COASTWISE.					
Nonmetallic minerals: Petroleum and its products		179,115	179,115	7,885,096	7,885,096
Total receipts and shipments, coastwise	212,752	179,376	392,128		18,684,711

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CHELSEA CREEK, MASS.—continued.

SUMMARY.

Classes of commodities.	Foreign, imports.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper	766	$7,203	1,900	$19,270	2,666	$26,473
Nonmetallic minerals	77,061	678,500	381,906	18,552,941	458,967	19,231,441
Ores, metals and manufactures, except machinery and vehicles			207	16,500	207	16,500
Chemicals			8,115	96,000	8,115	96,000
Total	77,827	685,703	392,128	18,684,711	469,955	19,370,414

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.
Steamers	125		125
Sailing vessels	30	4	34
Barges, scows, and water boats	348		348
Motor boats	39		39
Lighters	46		46
Dredges	8		8
Total	596	4	600

MYSTIC RIVER, MASS.

[Included in traffic of port of Boston, Mass.]

Comparative statement of traffic.

Calendar year.	Short tons.	Value.	Calendar year.	Short tons.	Value.
1901	1,511,300	(1)	1912	3,671,242	$16,313,507
1902	1,679,287	(1)	1913	3,869,879	18,435,056
1903	1,727,089	(1)	1914	4,196,845	25,842,434
1904	2,942,197	(1)	1915	3,784,789	19,934,339
1905	3,385,846	(1)	1916	3,877,314	20,623,639
1906	3,816,132	(1)	1917	3,852,528	24,909,377
1907	3,858,829	(1)	1918	5,082,250	44,920,304
1908	3,803,456	(1)	1919	1,947,100	29,166,795
1909	5,038,859	(1)	1920 [2]	1,187,565	81,508,588
1910	3,245,630	$18,227,405	1921 [2]	2,409,095	36,533,718
1911	3,562,879	17,159,051			

[1] No statistics available.
[2] Exclusive of through traffic to Island End River and Malden River, Mass.

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MYSTIC RIVER, MASS.—continued.

[Navigation season, year round.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Nonmetallic minerals		618,688		$4,713,949
Crude oil	617,515		$4,701,721	
Crude naphtha	1,173		12,228	
Vegetable food products, oil seeds, expressed oils, and beverages: Raw sugar	170,026	170,026	16,934,555	16,934,555
Total imports		788,714		21,648,504
EXPORTS.				
Nonmetallic minerals: Fuel oil	26,419	26,419	298,629	298,629
Total exports		26,419		298,629
Total exports and imports		815,133		21,947,133

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities (bulk).	Amount in short tons by classes.	Value.	
			By commodities.	By classes.
RECEIPTS, COASTWISE.				
Nonmetallic minerals		1,530,356		$13,542,813
Coal	1,468,674		$13,078,357	
Crude naphtha	6,142		182,918	
Sand	49,012		49,012	
Pebbles	265		530	
Sulphur	5,000		165,000	
Filter-cel	1,263		66,996	
Wood and paper		4,115		98,170
Lumber	1,825		45,500	
Forest products	2,290		52,670	
Total receipts, coastwise	1,534,471	1,534,471		13,640,983
SHIPMENTS, COASTWISE.				
Nonmetallic minerals		59,291		943,602
Fuel oil	47,454		732,443	
Gas oil	11,337		194,659	
Sulphur	500		16,500	
Wood and paper: Ties	200	200	2,000	2,000
Total shipments, coastwise	59,491	59,491		945,602
Total receipts and shipments, coastwise	1,593,962	1,593,962		14,586,585

CARGOES IN TRANSIT (TRAFFIC OF ISLAND END RIVER AND MALDEN RIVER, MASS.)

Articles.	Amount in short tons.	Value.
Coal	1,006,816	$6,968,953
Coke	46,250	609,101
Sand	7,749	9,000
Lumber	675	12,825
Gas oil	62,292	791,710
Coal tar	2,729	34,799
Oil tar	4,890	58,216
Fuel oil	2,013	26,300
Water-gas tar	9,106	118,378
Roofing pitch	11	308
Tarred felt	5	352
Slag	35	297
Total	1,142,571	8,630,239

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MYSTIC RIVER, MASS.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic coastwise.		Total.	
	Imports.		Exports.					
	Tons.	Value.	Tons.	Value	Tons.	Value.	Tons.	Value.
Vegetable food products	170,026	$16,934,555					170,026	$16,934,555
Nonmetallic minerals	618,688	4,713,949	26,419	$298,629	1,589,647	$14,486,415	2,234,754	19,498,993
Wood and paper					4,315	100,170	4,315	100,170
Total	788,714	21,648,504	26,419	298,629	1,593,962	14,586,585	2,409,095	36,533,718

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.
Steamers	191	57	248
Sailing vessels	45		45
Barges	234		234
Lighters	70		70
Total	540	57	597

ISLAND END RIVER, MASS.

[Included in traffic of port of Boston, Mass.]

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1917	1,871,188	$9,616,630	1920	1,157,230	$12,326,986
1918	1,919,942	14,825,890	1921	1,081,803	8,039,564
1919	1,191,757	8,805,105			

[Navigation season, year round.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Nonmetallic minerals			942,844		$6,669,904
Coal	885,246			$5,933,505	
Coal tar	2,696			33,833	
Oil tar	4,890			58,216	
Gas oil	50,012			644,350	
Total receipts, coastwise	942,844		942,844		6,669,904
SHIPMENTS, COASTWISE.					
Nonmetallic minerals			138,954		1,369,308
Coal	71,239			492,898	
Coke		46,250		609,101	
Coal tar	33			966	
Roofing pitch		11		308	
Slag	35			297	
Water gas tar	9,106			118,378	
Gas oil	12,280			147,360	
Wood and paper: Tarred felt		5	5	352	352
Total shipments, coastwise	92,693	46,266	138,959		1,369,660
Total receipts and shipments coastwise	1,035,537	46,266	1,081,803		8,039,564

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ISLAND END RIVER, MASS.—continued.

SUMMARY.

Classes of commodities.	Domestic, coastwise.	
	Tons.	Value.
Nonmetallic minerals	1,081,798	$8,039,212
Wood and paper	5	352
Total	1,081,803	$8,039,564

Vessel classification, 1921.

American:

Steamers	135
Sailing vessels	4
Barges	114
Lighters	198
Total	451

MALDEN RIVER, MASS.

(Included in traffic of port of Boston, Mass.)

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1901	61,600	(1)	1912	80,949	(1)
1902	80,700	(1)	1913	86,676	$389,624
1903	87,000	(1)	1914	80,865	409,686
1904	75,225	(1)	1915	86,957	437,123
1905	79,690	(1)	1916	87,202	505,941
1906	90,815	(1)	1917	67,029	449,272
1907	88,575	(1)	1918	52,512	422,068
1908	69,422	(1)	1919	49,923	454,209
1909	117,504	(1)	1920	58,231	574,640
1910	88,834	(1)	1921	60,768	590,675
1911	80,033	(1)			

[1] No statistics available.

[Navigation season, year round.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Lumber	675	675	$12,825	$12,825

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MALDEN RIVER, MASS.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities (bulk).	Amount in short tons by classes.	Value.	
			By commodities.	By classes.
RECEIPTS, COASTWISE.				
Nonmetallic minerals		60,093		$577,850
Sand	7,749		$9,000	
Coal	50,331		542,550	
Fuel oil	2,013		26,300	
Total	60,093	60,093		577,850

SUMMARY.

	Foreign, imports.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals			60,093	$577,850	60,093	$577,850
Wood and paper	675	$12,825			675	12,825
Total	675	12,825	60,093	577,850	60,768	590,675

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.
Sailing vessels		3	3
Barges	54		54
Lighters	26		26
Total	80	3	83

FORT POINT CHANNEL.

[Included in traffic of port of Boston, Mass.]

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1901	313,393	(1)	3,200	1912	1,101,374	$16,683,583	
1902	611,094	(1)	3,200	1913	1,091,211	15,800,482	
1903	726,769	(1)	4,500	1914	1,281,674	16,023,297	
1904	1,488,565	(1)	5,851	1915	1,356,087	19,899,549	
1905	1,463,914	(1)	3,186	1916	1,318,001	22,180,462	
1906	1,416,671	(1)	[2] 7,035	1917	1,116,204	25,164,450	
1907	1,443,686	(1)		1918	1,052,043	23,977,009	
1908	1,251,490	(1)		1919	938,724	32,044,456	
1909	1,219,478	(1)		1920	984,563	52,545,450	
1910	1,423,546	$16,061,244		1921	919,970	20,845,730	
1911	1,507,621	16,272,296					

[1] No statistics available.
[2] Passenger service was discontinued after 1906.

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FORT POINT CHANNEL—continued.

[Navigation season, year round.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products: Raw sugar	171,284	171,284	$13,360,152	$13,360,152
Wood and paper		10,586		222,765
Lumber	8,703		200,169	
Piling	1,883		22,596	
Total imports		181,870		13,582,917
EXPORTS.				
Vegetable food products: Refined sugar	5,511	5,511	573,144	573,144
Total exports		5,511		573,144
Total imports and exports		187,381		14,156,061

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Nonmetallic minerals			711,504		$5,872,249
Coal	615,460			$5,645,126	
Lime		60		1,440	
Sand and gravel	87,182			111,599	
Gas oil	8,242			105,324	
Edgestone	205			4,500	
Granite	355			4,260	
Vegetable food products: Raw sugar	3,407		3,407	280,000	280,000
Wood and paper			10,652		228,121
Lumber	9,474			199,987	
Laths		98		2,254	
Logs	1,000			25,000	
Ties	80			880	
Ores, metals, and manufactures of: Pig iron	120		120	14,040	14,040
Machinery and vehicles: Machinery		12	12	6,480	6,480
Chemicals: Fertilizer	13		13	585	585
Unclassified: Boats	33		33	6,600	6,600
Total receipts, coastwise	725,571	170	725,741		6,408,075
SHIPMENTS, COASTWISE.					
Chemicals: Fertilizer		1,260	1,260	56,700	56,700
Nonmetallic minerals			121		2,764
Coal	47			470	
Oil		74		2,294	
Textiles: Rope		77	77	29,799	29,799
Wood and paper: Lumber	5,230		5,230	120,290	120,290
Machinery and vehicles: Machinery		45	45	24,300	24,300
Ores, metals, and manufactures of: Iron	73		73	8,541	8,541
Unclassified			42		39,200
Ink		20		34,800	
Boats		22		4,400	
Total shipments, coastwise	5,350	1,498	6,848		281,594
Total receipts and shipments, coastwise	730,921	1,668	732,589		6,689,669

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FORT POINT CHANNEL—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic coastwise.		Total.	
	Imports.		Exports.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products, oil seeds, expressed oils and beverages	171, 284	$13,360,152	5, 511	$573, 144	3, 407	$280, 000	180, 202	$14, 213, 296
Wood and paper	10, 586	222, 765	.....	.....	15, 882	348, 411	26, 468	571, 176
Nonmetallic minerals	.....	.....	.....	.....	711, 625	5, 875, 013	711, 625	5, 875, 013
Ores, metals, and manufactures of, except machinery and vehicles	.....	.....	.....	.....	193	22, 581	193	22, 581
Machinery and vehicles	.....	.....	.....	.....	57	30, 780	57	30, 780
Chemicals	.....	.....	.....	.....	1, 273	57, 285	1, 273	57, 285
Textiles	.....	.....	.....	.....	77	29, 799	77	29, 799
Unclassified	.....	.....	.....	.....	75	45, 800	75	45, 800
Total	181, 870	13, 582, 917	5, 511	573, 144	732, 589	6, 689, 669	919, 970	20, 845, 730

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.
Steamers	120	25	145
Sailing vessels	44	13	57
Barges	402	.....	402
Lighters	91	.....	91
Total	657	38	695

DORCHESTER BAY, MASS.

[Included in traffic of port of Boston, Mass.]

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1915	53, 448	$329, 010	1919	111, 740	$1, 630, 364
1916	80, 378	492, 646	1920	136, 411	2, 596, 169
1917	60, 527	441, 506	1921	121, 106	2, 293, 486
1918	110, 133	1, 009, 244			

[Navigation season, year round.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities (bulk).	Amount in short tons by classes.	Value.	
			By commodities.	By classes.
RECEIPTS, COASTWISE.				
Nonmetallic minerals	.....	120, 251	.....	$2, 277, 342
Coal	45, 899	.....	$461, 669	.....
Coke	42, 354	.....	916, 404	.....
Gas oil	16, 801	.....	218, 592	.....
Petroleum and its products	15, 197	.....	680, 677	.....
Chemicals: Tar	312	312	4, 066	4, 066
Wood and paper: Lumber	543	543	12, 078	12, 078
Total receipts, coastwise	121, 106	121, 106	.....	$2, 293, 486

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DORCHESTER BAY, MASS.—continued.

CARGOES IN TRANSIT.

(Traffic of Neponset River.)

Commodities.	Tons.	Value.
Coal	89,759	$927,602
Lumber	3,144	90,095
Total	92,903	1,017,697

SUMMARY.

Classes of commodities.	Domestic, coastwise	
	Tons.	Value.
Nonmetallic minerals	120,251	$2,277,342
Chemicals	312	4,066
Wood and paper	543	12,078
Total	121,106	2,293,486

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.
Sailing vessels		3	3
Barges	91		91
Lighters	111		111
Total	202	3	205

NEPONSET RIVER, MASS.

(Included in traffic of port of Boston, Mass.)

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1915	127,802	$780,806	1919	71,118	$590,381
1916	118,072	728,489	1920	76,843	1,020,351
1917	88,347	669,987	1921	92,903	1,017,697
1918	86,185	815,418			

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities (bulk).	Amount in short tons by classes.	Value.	
			By commodities.	By classes.
RECEIPTS, COASTWISE.				
Nonmetallic minerals: Coal	89,759	89,759	$927,602	$927,602
Wood and paper: Lumber	3,144	3,144	90,095	90,095
Total	92,903	92,903		1,017,697

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NEPONSET RIVER, MASS.—continued.

SUMMARY.

Classes of commodities.	Domestic, coastwise.	
	Tons.	Value.
Nonmetallic minerals	89,759	$927,602
Wood and paper	3,144	90,095
Total	92,903	1,017,697

Vessel classification, 1921.

American:	
Sailing vessels	6
Barges	70
Lighters	14
Total	90

WEYMOUTH FORE RIVER, MASS., AND TOWN RIVER, MASS.

(Included in traffic for port of Boston, Mass.)

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1901	44,564	(1)	1912	170,266	$1,281,053
1902	69,701	(1)	1913	175,051	1,084,081
1903	92,759	(1)	1914	175,585	741,182
1904	95,843	(1)	1915	148,149	976,695
1905	158,857	(1)	1916	212,662	1,070,172
1906	124,388	(1)	1917	153,517	835,763
1907	179,551	(1)	1918	142,560	1,695,840
1908	173,649	(1)	1919	113,030	1,686,813
1909	159,342	(1)	1920	129,466	2,665,788
1910	186,303	$906,116	1921	354,673	3,262,955
1911	173,445	888,665			

[1] No statistics available.

[Navigation season, year round.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Lumber	648	648	$15,000	$15,000
Nonmetallic minerals	.....	212,809	.....	.....
Crude oil	208,093	.....	1,586,706	1,720,419
Crude gasoline distillate	4,716	.....	133,713	.....
Total imports	.....	213,457	.....	1,735,419
EXPORTS.				
Nonmetallic minerals: Heavy fuel oil	11,580	11,580	69,476	69,476
Total exports	.....	11,580	.....	69,476
Total imports and exports	.....	225,037	.....	1,804,895

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WEYMOUTH FORE RIVER, MASS., AND TOWN RIVER, MASS.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Machinery and vehicles: Boilers		1,620	1,620	$60,000	$60,000
Wood and paper: Lumber	1,941		1,941	45,000	45,000
Nonmetallic minerals			78,096		936,865
Coal	61,339			626,563	
Gas oil	1,600			28,000	
Fuel oil	6,595			39,570	
Crude gasoline distillate	8,562			242,732	
Total receipts, coastwise	80,037	1,620	81,657		1,041,865
SHIPMENTS, COASTWISE.					
Ores, metals, and manufactures of: Steel		1,227	1,227	79,769	79,769
Nonmetallic minerals			46,752		336,426
Heavy fuel oil		17,627		105,760	
Light fuel oil		29,125		230,666	
Total shipments, coastwise		47,979	47,979		416,195
Total receipts and shipments, coastwise	80,037	49,599	129,636		1,458,060

SUMMARY.

Classes of commodities.	Foreign.				Domestic, coastwise.		Total.	
	Imports.		Exports.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper	648	$15,000			1,941	$45,000	2,589	$60,000
Nonmetallic minerals	212,809	1,720,419	11,580	$69,476	124,848	1,273,291	349,237	3,063,186
Machinery and vehicles					1,620	60,000	1,620	60,000
Ores, metals, and manufactures of					1,227	79,769	1,227	79,769
Total	213,457	1,735,419	11,580	69,476	129,636	1,458,060	354,673	3,262,955

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.
Steamers	78	35	113
Sailing vessels	4	8	12
Barges	50		50
Lighters	2		2
Total	134	43	177

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WEYMOUTH BACK RIVER, MASS.

(Included in traffic of port of Boston, Mass.)

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1901	83,621	(1)	1912	241,984	$5,187,732
1902	101,727	(1)	1913	196,125	4,108,418
1903	132,600	(1)	1914	257,206	5,822,994
1904	124,691	(1)	1915	206,323	4,616,218
1905	145,933	(1)	1916	200,905	4,852,178
1906	136,560	(1)	1917	222,278	6,848,037
1907	168,756	(1)	1918	177,074	6,419,931
1908	170,064	(1)	1919	169,218	6,164,786
1909	180,009	(1)	1920	234,858	7,599,804
1910	181,104	$3,417,482	1921	224,279	4,954,431
1911	204,625	4,580,191			

[1] No statistics available.

[Navigation season, year round.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Chemicals: Chemicals and fertilizers	5,857	5,857	$112,190	$112,190

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Chemicals			105,267		$1,989,759
Phosphate rock	34,694			$223,082	
Potash	12,927			394,260	
Nitrate soda	7,217			248,842	
Sulphate ammonia	6,753			387,014	
Other fertilizer material	43,676			736,561	
Total receipts	105,267		105,267		1,989,759
SHIPMENTS, COASTWISE.					
Chemicals			113,155		2,852,482
Pyrites cinders	10,204			10,204	
Fertilizers and chemicals		102,951		2,842,278	
Total shipments	10,204	102,951	113,155		2,852,482
Total receipts and shipments	115,471	102,951	218,422		4,842,241

SUMMARY.

Classes of commodities.	Foreign, exports.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Chemicals	5,857	$112,190	218,422	$4,842,241	224,279	$4,954,431

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WEYMOUTH BACK RIVER, MASS.—continued.

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.
Registered:			
Steamers	12		12
Sailing vessels	16	22	38
Barges	69		69
Unregistered:			
Motor boats	1		1
Lighters	716		716
Total	814	22	836

PLYMOUTH HARBOR, MASS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1899	24,765	(1)	(1)	1911	48,657	(1)	53,898
1900	39,870	(1)	(1)	1912	37,489	$220,000	52,009
1901	33,300	(1)	(1)	1913	38,612	200,000	70,876
1902	32,873	(1)	(1)	1914	45,127	243,780	61,805
1903	34,142	(1)	(1)	1915	37,103	214,992	50,498
1904	49,386	(1)	49,335	1916	49,246	289,239	76,179
1905	57,400	(1)	58,000	1917	28,604	243,973	(2)
1906	33,354	(1)	49,795	1918	13,516	125,491	(2)
1907	40,615	(1)	52,525	1919	14,310	139,913	24,000
1908	39,860	(1)	53,987	1920	14,994	200,058	70,197
1909	37,840	(1)	58,246	1921	51	8,925	75,902
1910	39,848	(1)	58,985				

[1] No statistics available. [2] Passenger steamboat service was discontinued during 1917 and 1918.

[Navigation season, year round.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities (package).	Amount in short tons, by classes.	Value.	
			By commodities.	By classes.
RECEIPTS, COASTWISE.				
Unclassified: Express freight	51	51	$8,925	$8,925

SUMMARY.

Classes of commodities.	Short tons.	Value.
Unclassified	51	$8,925

Vessel classification, 1921.

Classes.	American.	Passengers.
Steamers	95	75,902

The following explanation is given for the negligible tonnage for the year: During 1921 the Pilgrim tercentenary commission, with a view to restoring the shore line practically as it existed at the time of the landing of the Pilgrims, in celebration of the tercentenary of such landing, condemned and destroyed all wharf property with the exception of the wharf of the Nantasket Beach Steamship Co. (which is used almost entirely for passenger traffic), and the wharf of the Atwood-Robbins Lumber

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Co. at some distance from the proposed improvement. The total freight for 1921 (51 tons) is that carried by the steamboat company, and is express freight, mostly perishable. The lumber company, whose wharf is accessible to vessels only at high tide, received all their lumber by rail during 1921.

KINGSTON HARBOR, MASS.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1911	22,844	$62,560	1917	29,093	$1,955,376
1912	13,740	46,097	1918	28,367	3,225,897
1913	36,483	2,357,135	1919	(1)	(1)
1914	42,904	2,699,434	1920	(1)	(1)
1915	43,818	2,487,190	1921	27,101	1,996,318
1916	34,132	2,106,436			

[1] No statistics available.

[Navigation season, year round.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Textiles: Sisal	15,389	15,389	$1,852,891	$1,852,891

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities (bulk).	Amount in short tons, by classes.	Value.	
			By commodities.	By classes.
RECEIPTS, COASTWISE.				
Nonmetallic minerals	.....	10,214	.....	$94,000
Coal	7,501	.....	$65,059	.....
Fuel oil	2,713	.....	28,941	.....
Unclassified: Cordage oil	1,498	1,498	49,427	49,427
Total	11,712	11,712	.....	143,427

SUMMARY.

Classes of commodities.	Foreign, imports.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals	.....	.....	10,214	$94,000	10,214	$94,000
Textiles	15,389	$1,852,891	.....	.....	15,389	1,852,891
Unclassified	.....	.....	1,498	49,427	1,498	49,427
Total	15,389	1,852,891	11,712	143,427	27,101	1,996,318

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.
Steamers	6	11	17
Barges	9	.....	9
Total	15	11	26

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PROVIDENCE, R. I., DISTRICT.

POLLOCK RIP SHOALS, NANTUCKET SOUND, MASS.

There is no available means of determining the amount and value of the commerce passing over these shoals, as it forms a part of that reaching many of the ports on the North Atlantic coast. It has been estimated as 20,000,000 tons. The number of vessels reported as passing the Pollock Rip Slue Light Vessel (two months estimated) is 7,728, of which 1,998 were steamers, 868 sailing vessels, 1,209 tugs, and 3,653 barges.

NANTUCKET HARBOR, MASS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1895	11,624	(1)	(1)	1909	28,550	$1,251,543	56,302
1896	14,438	(1)	(1)	1910	31,758	1,156,164	46,790
1897	16,701	(1)	(1)	1911	36,630	1,283,173	49,240
1898	18,428	(1)	(1)	1912	33,742	1,476,131	48,311
1899	19,088	(1)	(1)	1913	28,860	1,475,908	69,216
1900	24,410	(1)	(1)	1914	36,653	1,488,381	68,517
1901	25,813	(1)	(1)	1915	45,836	1,968,837	59,666
1902	28,290	(1)	(1)	1916	44,458	2,096,651	50,835
1903	34,480	(1)	(1)	1917	41,018	4,224,631	47,119
1904	38,594	(1)	(1)	1918	37,623	4,301,840	38,940
1905	41,390	(1)	(1)	1919	24,415	6,684,493	52,827
1906	43,291	(1)	(1)	1920	26,494	4,028,520	55,892
1907	43,919	(1)	(1)	1921	31,318	7,214,446	(2)
1908	26,840	$1,000,600	42,072				

[1] No statistics available. [2] No record.

[Navigation season, January 1 to December 31.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Animals and animal products: Fish		4,000	4,000	$600,000	$600,000		
Wood and paper: Cordwood	740		740	5,250	5,250	53	5
Nonmetallic minerals			11,358		207,576		
Coal, anthracite	7,075			84,188		245	1
Coal, bituminous	2,722			22,138		245	1
Coal, screenings	396			792			
Brick	60			600			
Gasoline and kerosene		1,105		99,858		53	2
Unclassified: General merchandise		10,020	10,020	5,000,200	5,000,200		
Total receipts, coastwise	10,993	15,125	26,118		5,813,026		
SHIPMENTS, COASTWISE.							
Animals and animal products: Fish		1,000	1,000	150,000	150,000		
Wood and paper: Empty drums		200	200	51,420	51,420		
Unclassified: General merchandise		4,000	4,000	1,200,000	1,200,000		
Total shipments, coastwise		5,200	5,200		1,401,420		
Total receipts and shipments	10,993	20,325	31,318		7,214,446		

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NANTUCKET HARBOR, MASS.—continued.

SUMMARY.

Classes of commodities.	Domestic, coastwise.	
	Tons.	Value.
Animals and animal products, except wool and hair	5,000	$750,000
Wood and paper	940	56,670
Nonmetallic minerals	11,358	207,576
Unclassified	14,020	6,200,200
	31,318	7,214,446

NOTE.—In all probability if the amount of fish handled by the numerous small fishing boats could be obtained a much larger tonnage would be credited to this harbor.

Vessel classification, 1921.

Classes.	Number.	Arrivals and departures.	Tonnage.		Draft, feet.
			Least.	Greatest.	
Schooners	20	100	20	388	4-14
Towboats	10	20	28	60	7-10
Steamers	6	950	100	500	7-12

A regular line of steamers operates between New Bedford and Nantucket. The harbor is used to a large extent by yachts and as a harbor of refuge for fishing craft.

NEW BEDFORD AND FAIRHAVEN HARBORS, MASS.

Comparative statement of traffic.

Year.	To and from New Bedford.			In transit.	
	Tons.	Value.	Passengers.	Tons.	Value.
1896	841,950	(1)	(1)	(1)	(1)
1897	668,165	(1)	(1)	(1)	(1)
1898	635,270	(1)	(1)	(1)	(1)
1899	653,120	(1)	(1)	(1)	(1)
1900	651,875	(1)	(1)	(1)	(1)
1901	651,602	(1)	(1)	(1)	(1)
1902	468,408	(1)	(1)	(1)	(1)
1903	814,517	(1)	(1)	(1)	(1)
1904	775,000	(1)	(1)	(1)	(1)
1905	869,149	(1)	(1)	(1)	(1)
1906	899,632	(1)	(1)	(1)	(1)
1907	1,189,552	(1)	(1)	(1)	(1)
1908	1,511,885	$41,091,124	271,811	(1)	(1)
1909	1,392,802	47,607,190	272,393	(1)	(1)
1910	1,529,304	48,174,280	211,599	(1)	(1)
1911	1,563,908	40,275,602	269,376	(1)	(1)
1912	1,478,733	44,599,344	261,082	(1)	(1)
1913	1,491,046	46,360,645	270,802	(1)	(1)
1914	1,460,784	43,354,028	250,414	(1)	(1)
1915	1,134,658	50,343,702	247,355	491,568	$2,064,500
1916	1,250,194	135,651,644	240,500	276,730	1,208,300
1917	1,264,881	148,615,227	283,734	284,592	1,935,000
1918	1,248,840	138,026,815	197,533	314,750	2,537,000
1919	949,457	175,953,566	217,153	(1)	(1)
1920	1,029,195	180,693,188	[2] 174,006	(1)	(1)
1921	839,824	110,563,594	(1)	(1)	(1)

[1] No data available.

[2] Incomplete; no data available for excursion traffic.

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NEW BEDFORD AND FAIRHAVEN HARBORS, MASS.—continued.

[Navigation season, Jan. 1 to Dec. 31.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products: Sperm oil	1,682	1,682	$267,952	$267,952
Vegetable food products: Foodstuffs	7	7	1,700	1,700
Wood and paper		2,982		55,287
Lumber	2,980		53,287	
Canework	2		2,000	
Nonmetallic minerals: Salt	192	192	470	470
Total imports		4,863		265,409
EXPORTS.				
Vegetable food products: Foodstuffs	195	195	12,500	12,500
Nonmetallic minerals: Petroleum products	25	25	2,250	2,250
Machinery and vehicles: Machinery	125	125	88,000	88,000
Unclassified: Miscellaneous package freight	1,490	1,490	912,800	912,800
Total exports		1,835		1,015,550
Total imports and exports		6,698		1,280,959

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Animals and animal products: Fish		216	216	$32,000	$32,000		
Wood and paper: Lumber	5,361		5,361	92,665	92,665	1,780	4
Nonmetallic minerals			676,406		6,336,209	450	3 4
Coal, bituminous	449,840			3,471,596		200	5
Coal, anthracite	144,548			1,516,222		200	5-8
Coke	5,202			55,402			
Brick	703			5,250		100	1
Curb stone		822		14,796			
Gasoline and kerosene	1,640			97,620			
Fuel oil	73,651			1,175,323			
Chemicals: Fertilizer		31	31	1,210	1,210		
Unclassified: Package steamboat freight		69,346	69,346	47,918,550	47,918,550		
Total receipts coastwise	680,945	70,415	751,360		54,380,634		
SHIPMENTS, COASTWISE.							
Wood and paper: Lumber	112		112	4,047	4,047		
Nonmetallic minerals: Coal	297		297	3,904	3,904		
Unclassified: Package steamboat freight		81,357	81,357	54,894,050	54,894,050		
Total shipments coastwise	409	81,357	81,766		54,902,001		
Total receipts and shipments coastwise	681,354	151,772	833,126		109,282,635		

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NEW BEDFORD AND FAIRHAVEN HARBORS, MASS.—continued.

SUMMARY.

Classes of commodities.	Foreign.		Domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	1,682	$207,952	216	$32,000	1,898	$239,952
Vegetable food products	202	14,200	.....	.....	202	14,200
Wood and paper	2,982	55,287	5,473	96,712	8,455	151,999
Nonmetallic minerals	217	2,720	676,703	6,340,113	676,920	6,342,833
Machinery and vehicles	125	88,000	.....	.....	125	88,000
Chemicals	.....	.....	31	1,210	31	1,210
Unclassified	1,490	912,800	150,703	102,812,600	152,193	103,725,400
Total	6,698	1,280,959	833,126	109,282,635	839,824	110,563,594

Vessel classification, 1921.

Class.	Number.	Arrivals and departures.	Tonnage.		Draft, feet.
			Least.	Greatest.	
Steamers	[1] 15	2,036	370	7,588	10-27
Schooners	[2] 40	140	40	758	9-20
Barges	221	768	40	2,053	4-23
Towboats	50	1,400	25	250	10-18

[1] Five foreign. [2] Three foreign.

In addition to the vessels listed above, New Bedford is used by a large fleet of motor fishing boats as well as by many pleasure craft. New Bedford is a port of call for one trans-Atlantic steamer line; the amount and value of freight in transit is not known.

FALL RIVER HARBOR, MASS.

Comparative statement of traffic.

Year.	To and from Fall River Harbor.			In transit.	
	Tons.	Value.	Passengers.	Tons.	Value.
1898	3,200,000	(1)	(1)	(1)	(1)
1899	3,220,000	(1)	(1)	(1)	(1)
1900	3,315,000	(1)	(1)	(1)	(1)
1901	3,435,000	(1)	(1)	(1)	(1)
1902	3,415,000	(1)	(1)	(1)	(1)
1903	3,990,500	(1)	(1)	(1)	(1)
1904	(1)	(1)	(1)	(1)	(1)
1905	4,086,199	(1)	(1)	(1)	(1)
1906	4,165,960	(1)	(1)	(1)	(1)
1907	4,178,495	(1)	(1)	(1)	(1)
1908	(1)	(1)	(1)	(1)	(1)
1909	1,205,220	$53,018,940	321,495	126,509	[2] $523,045
1910	1,253,014	52,348,648	451,711	137,284	884,432
1911	1,250,980	54,660,317	398,678	137,854	755,999
1912	1,052,818	48,295,285	370,844	113,834	482,168
1913	1,180,001	50,222,106	355,124	106,076	437,570
1914	1,322,386	49,406,545	322,710	105,413	463,745
1915	1,285,686	57,384,256	345,296	107,968	454,011
1916	1,514,125	191,554,515	372,231	139,349	632,839
1917	1,469,750	228,249,185	244,525	65,531	420,443
1918	1,395,591	200,444,795	190,732	59,711	328,922
1919	1,126,189	205,576,991	427,800	41,247	345,639
1920	1,067,116	170,750,246	351,200	40,720	453,297
1921	1,545,932	150,973,755	(1)	1,648,009	22,750,426

[1] No data available.
[2] Figures for columns "In transit" 1909 to 1916, inclusive, include an unknown quantity of freight originating in or consigned to Fall River Harbor to and from Taunton River.

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FALL RIVER HARBOR, MASS.—continued.

[Season of navigation, the entire year.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Lumber	2,177	2,177	$43,175	$43,175
Nonmetallic minerals: Crude oil	136,910	136,910	1,121,852	1,121,852
Total imports		139,087		1,165,027
EXPORTS.				
Nonmetallic minerals: Crude oil	20,884	20,884	417,680	417,680
Total imports and exports		159,971		1,582,707

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS, COASTWISE.						*Miles.*
Animals and animal products			600		$66,100	
Oysters	300			$6,100		
Meats		300		60,000		
Vegetable food products: Fruits		420	420	27,300	27,300	
Textiles		20,000	20,000	2,000,000	2,000,000	
Wood and paper			1,025		262,612	
Lumber	525			12,612		
Wood manufactures		500		250,000		
Nonmetallic minerals			748,152		9,063,946	
Coal, bituminous	370,500			2,600,904		196
Coal, anthracite	98,209			1,100,882		450
Gravel	500			1,250		100
Fuel oil	278,243			5,230,910		
Asphalts	700			70,000		
Ores, metals, and manufactures of, iron and steel	1,000		1,000	100,000	100,000	
Chemicals			152		12,718	
Fertilizer		52		2,718		
Chemicals		100		10,000		
Unclassified			67,083		33,541,500	
Miscellaneous steamboat package freight		67,083		33,541,500		
Total receipts, coastwise	749,977	88,455	838,432		45,014,176	
SHIPMENTS, COASTWISE.						
Animals and animal products			262		37,750	
Oyster shells	62			250		
Meats		200		37,500		
Vegetable food products: Fruits		280	280	15,500	15,500	
Textiles		17,351	17,351	17,351,000	17,351,000	
Nonmetallic minerals			423,486		7,360,122	
Coal	73,970			542,902		
Fuel oil	253,921			6,090,518		
Crude oil	95,395			706,702		
Asphalt	200			20,000		
Unclassified: Miscellaneous		106,150	106,150	79,612,500	79,612,500	
Total shipments, coastwise	423,548	123,981	547,529		104,376,872	
Total receipts and shipments, coastwise	1,173,525	212,436	1,385,961		149,391,048	

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FALL RIVER HARBOR, MASS.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic, coastwise.		Total.	
	Imports.		Exports.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair					862	$103,850	862	$103,850
Vegetable food products, oil seeds, expressed oils, and beverages					700	42,800	700	42,800
Textiles					37,351	19,351,000	37,351	19,351,000
Wood and paper	2,177	$43,175			1,025	262,612	3,202	305,787
Nonmetallic minerals	136,910	1,121,852	20,884	$417,680	1,171,638	16,364,068	1,329,432	17,903,600
Ores, metals and manufactures of, except machinery and vehicles					1,000	100,000	1,000	100,000
Chemicals					152	12,718	152	12,718
Unclassified					173,233	113,154,000	173,233	113,154,000
Total	139,087	1,165,027	20,884	417,680	1,385,961	149,391,048	1,545,932	150,973,755

All traffic for the Taunton River passes through Fall River Harbor in transit, viz, 1,648,009 tons, valued at $22,750,426; 1,592,881 tons, valued at $22,291,353, being petroleum products handled in the lower part of Taunton River but within the city limits of Fall River.

Vessel classification, 1921.

Classes.	Number.	Arrivals and departures.	Tonnage.		Draft, feet.
			Least.	Greatest.	
Steamers [1]	51	3,038	91	5,091	10-28
Schooners [2]	13	56	50	200	8-14
Barges	165	1,250	40	1,800	4-22
Towboats	50	1,000	34	224	9-17

[1] 1 foreign. [2] 3 foreign.

TAUNTON RIVER, MASS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1894	477,050	$6,545,000	(1)	1908	74,323	$359,008	(1)
1895	500,908	(1)	(1)	1909	126,509	523,045	(1)
1896	500,000	(1)	(1)	1910	137,284	884,432	(1)
1897	(1)	(1)	(1)	1911	137,854	755,999	(1)
1898	547,000	(1)	(1)	1912	113,834	482,168	(1)
1899	579,400	(1)	(1)	1913	107,156	490,870	15,100
1900	577,280	(1)	(1)	1914	105,413	463,744	16,444
1901	553,050	(1)	(1)	1915	107,968	454,011	12,463
1902	587,000	(1)	(1)	1916	139,349	632,839	13,770
1903	588,100	(1)	(1)	1917	128,251	844,923	13,058
1904	588,100	(1)	(1)	1918	117,387	809,430	7,750
1905	[2] 638,100	(1)	(1)	1919	70,302	556,753	14,350
1906	193,100	(1)	(1)	1920	83,064	896,929	14,350
1907	193,100	(1)	(1)	1921	1,648,009	22,750,426	No record.

[1] No data available.
[2] Figures given from 1894 to 1905, inclusive, probably included a part of the commerce of Fall River Harbor as well as that of Taunton River, Mass.

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TAUNTON RIVER, MASS.—continued.

[Navigation season, the entire year.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Nonmetallic minerals: Crude oil [1]	624,156	624,156	$6,354,439	$6,354,439
Total imports		624,156		6,354,439

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Packages.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products: Oysters	200		200	$2,500	$2,500	*Miles.*	*Cents.*
Nonmetallic minerals			327,414		3,683,629		
Coal	51,345			441,610		210	0.9
Clay	3,383			14,263		210	1.5
Crude oil [1]	272,686			3,227,756		2,200	.14
Total receipts, coastwise	327,614		327,614		3,686,129		
SHIPMENTS, COASTWISE.							
Animals and animal products: Shells	200		200	700	700		
Nonmetallic minerals: Fuel oils [1]	696,039		696,039	12,709,158	12,709,158		
Total shipments, coastwise	696,239		696,239		12,709,858		
Total receipts and shipments	1,023,853		1,023,853		16,395,987		

SUMMARY.

Classes of commodities.	Foreign, imports.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair			400	$3,200	400	$3,200
Nonmetallic minerals [1]	624,156	$6,354,439	1,023,453	16,392,787	1,647,609	22,747,226
Total	624,156	6,354,439	1,023,853	16,395,987	1,648,009	22,750,426

[1] Petroleum products were handled in the lower part of Taunton River above Slades Ferry Bridge, but within the city limits of Fall River.

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TAUNTON RIVER, MASS.—continued.

Vessel classification, 1921.

Class.	Number.	Arrivals and departures.	Tonnage.		Draft, feet.
			Least.	Greatest.	
Steamers [1]	34	630	461	6,000	13-27.5
Tow boats	15	1,300	36	160	7-15
Schooners	1	12		104	8
Barges	30	1,206	140	1,200	5-15

[1] Two foreign.

NEWPORT HARBOR, R. I.

Comparative statement of traffic.

Year.	Receipts and shipments.			Ferry.			In transit.		
	Tons.	Value.	Passengers.	Tons.	Value.	Passengers.	Tons.	Value.	Passengers.
1893	128,870								
1894	118,665								
1895	347,151								
1896	413,880								
1897	434,900								
1898	446,220								
1899	462,100								
1900	497,940								
1901	363,090								
1902	363,595								
1903	494,975								
1904	1,561,375								
1905	1,770,816								
1906	1,920,380								
1907	2,106,590								
1908	200,530								
1909	239,924								
1910	227,176								
1911	247,697								
1912	243,518								
1913	220,435	$6,606,097							
1914	245,928	7,845,781							
1915	223,174	5,761,963							
1916	322,610	6,914,907							
1917	204,701	7,139,139	819,914						
1918	200,645	12,818,296	258,976	38,571	(1)	463,000	(1)	(1)	(1)
1919	146,514	18,537,163	228,995	39,011	(1)	500,000	346,611	$227,991,101	258,831
1920	150,871	16,931,693	203,806	69,185	$11,307,770	598,362	168,573	89,315,421	292,561
1921	142,040	13,928,639	(1)	136,216	68,108,000	578,691	200,000	120,000,000	(1)

[1] No data available.

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NEWPORT HARBOR, R. I.—continued.

[Navigation season, January 1 to December 31.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
						Miles.	*Cents.*
Animals and animal products: Fish	1,407		1,407	$148,000	$148,000		
Vegetable food products: Hay and grain		152	152	7,180	7,180		
Wood and paper			1,723		31,933		
Lumber	1,464			29,810			
Cordwood	259			2,123			
Nonmetallic minerals			116,946		1,342,029		
Coal, anthracite	85,186			880,133		175	5-1.3
Coal, bituminous	11,232			84,530			
Coke	4,700			42,300			
Tile		1,744		17,290		175	1.3
Sand and gravel	5,145			10,646			
Stone	1,590			3,981		150	1
Brick	178			1,299			
Cement		870		14,738			
Petroleum products	6,301			287,112			
Chemicals: Fertilizer		642	642	38,520	38,520		
Unclassified: Package, steamboat freight		10,981	10,981	7,991,750	7,991,750		
Total receipts, coastwise	117,462	14,389	131,851		9,559,412		
SHIPMENTS, COASTWISE.							
Animals and animal products: Fish		357	357	48,000	48,000		
Nonmetallic minerals: Coal	3,111		3,111	32,877	32,877		
Unclassified: Package, steamboat freight		6,721	6,721	4,288,350	4,288,350		
Total shipments, coastwise	3,111	7,078	10,189		4,369,227		
Total receipts and shipments, coastwise	120,573	21,467	142,040		13,928,639		
FERRY TRAFFIC BETWEEN NEWPORT AND JAMESTOWN, R. I.							
Receipts and shipments: Machinery and vehicles: Vehicles		136,216	136,216	68,108,000	68,108,000		

Cargoes in transit, 200,000 tons, valued at $120,000,000.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair	1,764	$196,000
Vegetable food products, oil seeds, expressed oils, and beverages	152	7,180
Wood and paper	1,723	31,933
Nonmetallic minerals	120,057	1,374,906
Chemicals	642	38,520
Unclassified	17,702	12,280,100
Total	142,040	13,928,639

Cargoes in transit: About 200,000 tons of package steamboat freight, valued at $120,000,000, pass in transit through Newport Harbor. Ferry traffic, 136,216 tons, valued at $68,108,000.

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NEWPORT HARBOR R. I.—continued.

Vessel classification, 1921.

Class.	Number.	Arrivals and departures.	Tonnage.		Draft, feet.
			Least.	Greatest.	
Steamers	14	4,931	8	2,673	6-16
Schooners	7	10	24	75	6-13
Barges	93	582	40	777	4-15
Towboats	35	1,200	17	250	7-18

In addition to above vessels, there are 4 ferryboats, 2 quartermaster boats, and a fleet of about 30 motor fishing boats making an unknown number of trips. The harbor is also used to a large extent by United States Navy vessels of all kinds.

PROVIDENCE RIVER AND HARBOR, R. I.

Comparative statement of traffic.

Year.	To and from Providence.			In transit.		
	Tons.	Value.	Passengers.	Tons.	Value.	Passengers
1895	1,753,000	(1)	(1)	(1)	(1)	(1)
1896	1,600,950	(1)	(1)	(1)	(1)	(1)
1897	2,152,975	(1)	(1)	(1)	(1)	(1)
1898	(1)	(1)	(1)	(1)	(1)	(1)
1899	2,823,308	(1)	(1)	(1)	(1)	(1)
1900	2,016,582	(1)	(1)	(1)	(1)	(1)
1901	2,866,019	(1)	(1)	(1)	(1)	(1)
1902	2,739,000	(1)	(1)	(1)	(1)	(1)
1903	2,640,006	(1)	(1)	(1)	(1)	(1)
1904	2,529,173	(1)	(1)	(1)	(1)	(1)
1905	3,244,248	(1)	(1)	(1)	(1)	(1)
1906	3,086,003	(1)	(1)	(1)	(1)	(1)
1907	3,054,471	(1)	(1)	(1)	(1)	(1)
1908	2,957,204	$89,825,563	821,970	422,370	$3,843,932	49,314
1909	3,339,727	100,615,566	796,917	475,255	5,525,994	56,931
1910	3,593,086	106,200,881	753,283	514,776	6,339,819	58,907
1911	3,379,233	96,932,998	773,773	508,625	6,380,723	60,410
1912	3,963,208	112,741,435	779,409	622,156	6,211,250	53,433
1913	4,019,048	104,950,631	1,019,943	520,757	6,196,134	66,884
1914	3,627,097	247,445,654	898,120	477,312	6,568,854	52,238
1915	3,281,184	284,976,432	876,414	458,362	5,677,878	50,810
1916	3,711,777	405,108,089	847,205	510,614	10,856,718	56,981
1917	3,406,224	375,063,228	552,108	490,594	12,548,054	26,985
1918	3,540,981	333,359,803	294,374	465,370	7,924,429	16,235
1919	2,809,026	424,886,097	368,005	336,832	12,934,557	17,733
1920	[2] 3,961,969	[2] 588,507,699	423,359	263,469	38,253,369	(1)
1921	3,926,556	487,302,119	474,396	(1)	(1)	(1)

[1] No data available.
[2] Exclusive of 149,884 tons, valued at $844,141, traffic across river and local.

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PROVIDENCE RIVER AND HARBOR, R. I.—continued.

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products: Fish	3	3	$600	$600
Vegetable food products		20		14,950
Vegetables	3		150	
Coffee	8		4,800	
Fruits, etc	9		10,000	
Other vegetable products: Nursery stock	1	1	150	150
Textiles: Flax	16	16	1,280	1,280
Wood and paper		5,552		118,180
Lumber	5,000		100,000	
Logwood	433		8,660	
Cork	119		9,520	
Nonmetallic minerals		968,191		14,428,187
Salt	2,993		7,983	
Fuel oil	860,198		9,670,254	
Lubricating oil	5,000		750,000	
Gasoline	100,000		4,000,000	
Ores, metals, and manufactures of		77		22,550
Emery ore	50		11,750	
Sodium	27		10,800	
Machinery and vehicles: Machinery	6	6	6,000	6,000
Total imports		973,866		14,591,897
EXPORTS.				
Unclassified: Miscellaneous package freight	300	300	300,000	300,000
Total exports		300		300,000
Total imports and exports		1,024,166		14,891,897

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Animals and animal products			6,765		$483,786		
Oysters	3,765			$106,686		120	2
Oyster shells	500			600			
Meats, etc		200		42,500		24	3.8
Hides		120		48,000			
Fish		1,720		194,000		24	4
Animals		245		49,000			
Animal oils		215		43,000		480	1.4
Vegetable food products			11,848		2,987,710		
Oil and seeds		421		240,400		480	1.6
Fodder		15		3,000			2–1.4
Vegetables		921		46,050		46–480	
Sugar		9,009		1,261,260			
Fruits, etc		1,482		1,437,000			
Other vegetable products			908		1,144,150		
Seeds		35		7,000			
Tobacco		547		793,150		480	1.4
Naval stores		150		300,000			
Dyestuffs		176		44,000			
Textiles			97,365		86,850,900		
Cotton		89,524		75,089,400			
Miscellaneous textiles		7,841		11,761,500			
Wood and paper			10,871		291,760		
Lumber	10,634			173,780			
Paper		237		117,980		480	1.4

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PROVIDENCE RIVER AND HARBOR, R. I.—continued.

DOMESTIC—Continued.

Class and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE—con.						*Miles.*	*Cents.*
Nonmetalic minerals			2,080,870		$25,677,956		
Coal (anthracite)	272,283			$2,711,851		200	0.7
Coal (bituminous)	901,379			6,327,623		200–450	.6–.4
Traprock	75,000			75,000		150	.4
Plaster		3,909		72,912		178	1.4
Brick		1,290		9,878		93	1.6
Granite curbing		5,096		8,950			
Sand and clay	15,448			53,697		200	1
Fuel oil	534,239			3,705,884			
Lubricating oils		2,740		274,000			
Gasoline	269,486			12,438,161			
Ores, metals and manufactures of			3,301		747,124		
Pig iron	700			35,224			
Metal manufacturing		2,259		677,700			
Iron and steel	342			34,200			
Chemicals			28,615		1,098,300		
Chemicals		27,293		900,000			
Miscellaneous chemical products		1,322		198,300			
Unclassified: Miscellaneous unclassified		122,774	122,774	101,574,500	101,574,500		
Total receipts coastwise	2,083,776	279,541	2,363,317		220,856,186		
SHIPMENTS, COASTWISE.							
Animals and animal products			9,179		1,662,470		
Oysters	6,621			71,770			
Meats		1,521		270,600			
Dairy products		30		15,000			
Fish		28		5,600			
Leather and manufacturing leather		879		1,279,500			
Animals		100		20,000			
Vegetable food products			4,531		615,450		
Vegetables		735		39,750			
Sugar		1,125		158,500			
Coffee		56		36,600			
Fruits		200		200,000			
Oil seeds, etc		35		35,000			
Beverages		380		45,600			
Grains		2,000		100,000			
Other vegetable products			1,697		682,500		
Seeds		35		7,000			
Nursery stock		5		750			
Naval stores		21		41,000			
Dyeing materials		411		205,000			
Rubber manufacturing		1,225		428,750		48	1.6
Textiles			45,315		30,781,500		
Cotton		33,130		12,504,000			
Miscellaneous textile products		7,841		11,761,500			
Wool and hair		4,344		6,516,000			
Wood and paper			2,123		165,130		
Lumber	1,125			46,000			
Paper		989		118,680			
Printed matter		9		450			
Nonmetallic minerals			314,122		7,563,611		
Coal (bituminous)	10,685			82,364			
Coke	7,459			71,267			
Fuel oil	200,095			2,803,880			
Gasoline	94,710			4,500,000			
Lubricating oils		1,013		101,100			
Cement		160		5,000			
Ores, metals and manufactures of			13,676		2,368,800		
Metal manufacturing		5,011		1,503,300			
Iron and steel		8,665		865,500			
Machinery and vehicles			3,449		2,009,400		
Machinery		200		60,000			
Textile machinery		3,249		1,949,400			

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PROVIDENCE RIVER AND HARBOR, R. I.—continued.

DOMESTIC—Continued.

Class and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, COASTWISE—con.						*Miles.*	*Cents.*
Chemicals			460		$38,700		
Miscellaneous chemical products		260		$31,700			
Fertilizer		200		7,000		24	2
Unclassified			194,520		205,666,475		
Containers		676		90,000			
Office supplies		50		5,000			
Miscellaneous unclassified		193,794		205,571,475			
Total shipments coastwise	320,695	268,377	589,072		251,554,036		
Total shipments and receipts coastwise	2,404,471	547,918	2,952,389		472,410,222		

SUMMARY.

Classes of commodities.	Foreign.				Domestic.		Total.	
	Imports.		Exports.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	3	$600			15,944	$2,146,256	15,947	$2,146,856
Vegetable food products	20	14,950			16,379	3,603,160	16,399	3,618,110
Other vegetable products	1	150			2,605	1,826,650	2,606	1,826,800
Textiles	16	1,280			142,680	117,632,400	142,696	117,633,680
Wood and paper	5,552	118,180			12,994	456,890	18,546	575,070
Nonmetallic minerals	968,191	14,428,187			2,394,992	33,241,567	3,363,183	47,669,754
Ores, metals and manufactures of	77	22,550			16,977	3,115,924	17,054	3,138,47
Machinery and vehicles	6	6,000			3,449	2,009,400	3,455	2,015,400
Chemicals					29,075	1,137,000	29,075	1,137,000
Unclassified			300	$300,000	317,294	307,240,975	317,594	307,540,975
Total	973,866	14,591,897	300	300,000	2,952,389	472,410,222	3,926,555	487,302,119

All traffic bound for Pawtucket passes in transit through Providence. One trans-Atlantic line uses Providence as a port of call. The value and amount of freight thus passing in transit is not known. None of the "in transit" traffic is included in the foregoing.

Vessel classification, 1921.

Class.	Number.	Arrivals and departures.	Tonnage.		Draft, feet.
			Least.	Greatest.	
Steamers	[1] 117	8,028	48	7,000	6–29
Schooners	[2] 49	202	10	1,268	5–20
Barges	332	2,446	40	2,073	4–26
Towboats	81	6,092	14	224	6–18

[1] 10 foreign. [2] 6 foreign.

In addition to above there were 15 motor oyster boats, 6 power lighters, and 75 motor pleasure craft which made an undetermined number of trips. Passengers carried, 474,396.

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PAWTUCKET (SEEKONK) RIVER, R. I.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1895	195,474	(1)	(1)	1909	475,255	$5,525,994	56,931
1896	201,500	(1)	(1)	1910	514,776	6,339,819	66,078
1897	200,000	(1)	(1)	1911	508,625	6,380,723	66,078
1898	204,130	(1)	(1)	1912	622,156	6,211,250	63,833
1899	213,830	(1)	(1)	1913	520,757	6,196,134	83,972
1900	216,060	(1)	(1)	1914	477,312	6,568,854	74,738
1901	216,323	(1)	(1)	1915	458,362	5,677,876	66,260
1902	224,600	(1)	(1)	1916	510,614	10,856,718	68,184
1903	230,391	(1)	(1)	1917	490,594	12,548,054	36,465
1904	229,835	(1)	(1)	1918	465,370	7,924,429	23,040
1905	286,637	(1)	(1)	1919	318,883	9,568,557	22,400
1906	287,739	(1)	(1)	1920	349,566	15,740,107	7,750
1907	288,908	(1)	(1)	1921	209,476	20,850,371	(1)
1908	422,970	$3,483,932	(1)				

[1] No data available.

[Navigation season, January 1 to December 31.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Lumber	345	345	$6,000	$6,000

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Animal and animal products: Oysters	4,588		4,588	$102,655	$102,655		
Nonmetallic minerals			161,616		1,482,392		
Fuel oil	77,880			713,907			
Coal, anthracite	67,740			680,608		205	5
Coal, bituminous	15,996			87,877		200–450	3½
Ores, metals and manufactures of			9,550		1,784,590		
Copper	6,631			1,724,951			
Iron	2,919			59,639			
Chemicals: Ammoniacal liquor	2,534		2,534	6,656	6,656	6	7
Unclassified: Miscellaneous steamboat freight		8,038	8,038	6,500,550	6,500,550		
Total receipts, coastwise	178,288	8,038	186,326		9,876,843		
SHIPMENTS, COASTWISE.							
Animals and animal products: Shells	6,621		6,621	7,175	7,175		
Ores, metals and manufactures of: Manufactured articles		5,653	5,653	429,353	429,353		
Unclassified: Miscellaneous steamboat freight		10,531	10,531	10,531,000	10,531,000		
Total	6,621	16,184	22,805		10,967,528		
Total receipts and shipments, coastwise	184,909	24,222	209,131		20,844,371		

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PAWTUCKET (SEEKONK) RIVER, R. I.—continued.

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair			11,209	$109,830	11,209	$109,830
Wood and paper	345	$6,000			345	6,000
Nonmetallic minerals			161,616	1,482,392	161,616	1,482,392
Ores, metals and manufactures of, except machinery and vehicles			15,203	2,213,943	15,203	2,213,943
Chemicals			2,534	6,656	2,534	6,656
Unclassified			18,569	17,031,550	18,569	17,031,550
Total	345	6,000	209,131	20,844,371	209,476	20,850,371

Vessel classification, 1921.

Classes.	Number.	Arrivals and departures.	Tonnage.		Draft, feet.
			Least.	Greatest.	
Steamers	10	1,786	70	550	8–12
Towboats	20	500	40	70	7–12
Schooners	9	50	30	154	7–10
Barges	92	432	100	1,100	4–16

In addition to the vessels listed the river is used by a large number of power fishing boats.

POINT JUDITH HARBOR OF REFUGE, R. I.

Comparative statement of use of harbor of refuge, from records of Coast Guard station at Point Judith, R. I.

CLASSES OF VESSELS.

Year.	Steamers.	Sailings.	Barges.	Miscellaneous.	Total.
1909	170	482	29	8	689
1910	13	221			234
1911	12	142	19		173
1912	28	181	31		240
1913	(1)	(1)	(1)	(1)	240
1914	(1)	(1)	(1)	(1)	677
1915 [2]	29	501	24	202	756
1916	67	293	184	433	977
1917	34	417	17	63	531
1918	32	297	32	63	424
1919	97	262	69	93	521
1920	161	404	55	59	679
1921	205	397	120	17	739

[1] No data available.
[2] Data 1915 to date, from records of Coast Guard station at Point Judith, R. I.

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HARBOR OF REFUGE, BLOCK ISLAND, R. I.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1894	43,165	(1)	(1)	1908	11,861	$591,873	42,419
1895	45,135	(1)	(1)	1909	10,439	499,004	46,578
1896	50,362	(1)	(1)	1910	11,975	517,358	43,668
1897	51,714	(1)	(1)	1911	10,177	498,608	47,635
1898	52,915	(1)	(1)	1912	9,952	549,271	44,289
1899	55,064	(1)	(1)	1913	10,416	590,573	55,055
1900	63,281	(1)	(1)	1914	7,661	399,667	42,829
1901	73,366	(1)	(1)	1915	5,976	236,986	38,101
1902	75,025	(1)	(1)	1916	5,129	381,427	54,903
1903	103,225	(1)	(1)	1917	8,282	992,920	52,295
1904	162,915	(1)	(1)	1918	9,799	1,922,723	34,699
1905	184,935	(1)	(1)	1919	5,980	971,272	50,912
1906	37,060	(1)	(1)	1920	6,385	1,465,916	49,600
1907	(1)	(1)	(1)	1921	13,733	2,716,820	60,000

[1] No data available.

[Navigation season, January 1 to December. 31.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products: Fish	2,375		2,375	$593,750	$593,750
Vegetable food products			2,040		113,000
Vegetables		20		1,000	
Coffee, etc		20		12,000	
Grain		2,000		100,000	
Other vegetable products: Seeds		25	25	5,000	5,000
Wood and paper			1,038		40,380
Cordwood	38			380	
Lumber	1,000			40,000	
Nonmetallic minerals			3,350		86,190
Coal	2,800			51,440	
Petroleum products		400		30,000	
Cement		150		4,750	
Unclassified: Package freight, miscellaneous		1,505	1,505	683,500	683,500
Total	6,213	4,120	10,333		1,521,820
SHIPMENTS, COASTWISE.					
Animals and animal products: Fish		2,375	2,375	593,750	593,750
Vegetable food products: Vegetables		25	25	1,250	1,250
Unclassified: Package freight, miscellaneous		1,000	1,000	600,000	600,000
Total		3,400	3,400		1,195,000
Total receipts and shipments, coastwise	6,213	7,520	13,733		2,716,820

SUMMARY.

Classes of commodities.	Domestic, coastwise.	
	Tons.	Value.
Animals and animal products, except wool and hair	4,750	$1,187,500
Vegetable food products, oil seeds, expressed oils, and beverages	2,065	114,250
Other vegetable products, except fibers and woods	25	5,000
Wood and paper	1,038	40,380
Nonmetallic minerals	3,350	86,190
Unclassified	2,505	1,283,500
Total	13,733	2,716,820

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HARBOR OF REFUGE, BLOCK ISLAND, R. I.—continued.

Vessel classification, 1921.

Classes.	Number.	Arrivals and departures.	Tonnage.		Draft, feet.
			Least.	Greatest.	
Steamers	2	382	78	440	7–12
Schooners	2	8	10	40	6–11
Barges	8	16	30	500	4–12
Tow boats	2	10	14	150	7–14

In addition to above vessels, approximately 60 motor fishing boats use the harbor as a home port.

GREAT SALT POND, BLOCK ISLAND, R. I.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1896	5, 200	(1)	(1)	1909	8, 229	$516, 315	109, 737
1897	9, 700	(1)	(1)	1910	9, 137	621, 484	73, 064
1898	11, 000	(1)	(1)	1911	8, 736	626, 929	76, 581
1899	4, 100	(1)	(1)	1912	12, 032	773, 937	69, 117
1900	13, 350	(1)	(1)	1913	11, 225	776, 490	93, 258
1901	25, 600	(1)	(1)	1914	10, 160	710, 481	77, 067
1902	35, 800	(1)	(1)	1915	9, 680	600, 656	74, 453
1903	40, 350	(1)	(1)	1916	17, 663	1, 331, 963	103, 660
1904	45, 000	(1)	(1)	1917	7, 736	519, 669	8, 522
1905	83, 500	(1)	(1)	1918	6, 284	801, 612	11, 005
1906	38, 495	(1)	(1)	1919	7, 856	1, 297, 319	34, 735
1907	(1)	(1)	(1)	1920	8, 667	2, 082, 242	35, 331
1908	10, 458	$636, 425	104, 499	1921	5, 550	2, 141, 000	53, 000

[1] No data available.

[Navigation season, January 1 to December 31.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products: Fish	1, 000	.....	1, 000	$250, 000	$250, 000
Nonmetallic minerals	.....	.....	1, 550	.....	41, 000
Coal	900	.....	.....	9, 000	.....
Petroleum products	.....	650	.....	32, 000	.....
Unclassified: Package freight, miscellaneous	.....	1, 000	1, 000	800, 000	800, 000
Total receipts	1, 900	1, 650	3, 550	.....	1, 091, 000
SHIPMENTS, COASTWISE.					
Animals and animal products: Fish	.....	1, 000	1, 000	250, 000	250, 000
Unclassified: Package freight, miscellaneous	.....	1, 000	1, 000	800, 000	800, 000
Total shipments	.....	2, 000	2, 000	.....	1, 050, 000
Total receipts and shipments	1, 900	3, 650	5, 550	.....	2, 141, 000

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GREAT SALT POND, BLOCK ISLAND, R. I.—continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products, except wool and hair	2,000	$500,000
Nonmetallic minerals	1,550	41,000
Unclassified	2,000	1,600,000
Total	5,550	2,141,000

Vessel classification, 1921.

Class.	Number.	Arrivals and departure.	Tonnage.		Draft, feet.
			Least.	Greatest.	
Steamers	4	426	78	317	12-15
Schooners	2	10	10	30	6-12
Barges	3	12	30	500	4-12
Towboats	2	8	14	150	7-14

In addition to above approximately 40 motor fishing boats use the harbor as a home port. Passengers carried, 53.000.

PAWCATUCK RIVER, R. I. AND CONN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1893	35,968	(1)	1908	59,037	(1)
1894	52,805	(1)	1909	60,724	(1)
1895	43,671	(1)	1910	53,372	(1)
1896	39,086	(1)	1911	53,921	(1)
1897	46,024	(1)	1912	55,522	$393,626
1898	131,602	(1)	1913	56,400	351,509
1899	66,742	(1)	1914	47,506	331,949
1900	57,530	(1)	1915	39,073	494,752
1901	48,313	(1)	1916	58,854	607,008
1902	116,399	(1)	1917 [2]	40,506	617,117
1903	108,802	(1)	1918	73,689	733,368
1904	141,832	(1)	1919	27,359	226,972
1905	167,668	(1)	1920	27,724	369,739
1906	60,786	(1)	1921	35,311	396,574
1907	47,589	(1)			

[1] No statistics available. [2] Passengers carried, 6,500.

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PAWCATUCK RIVER, R. I. AND CONN.—continued.

[Navigation season, January 1 to 17 and February 7 to December 27, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities (bulk).	Amount in short tons by classes.	Value. By commodities.	Value. By classes.	Average haul.	Rate per ton-mile
RECEIPTS, COASTWISE.					*Miles.*	*Cents.*
Animals and animal products: Fish	500	500	$50,000	$50,000	.....	.....
Nonmetallic minerals	.....	31,811	.....	324,074	.....	.....
Coal, anthracite	21,026	.....	248,575	.....	150	1
Coal, bituminous	9,680	.....	73,371	.....	150	1
Sand and clay	1,105	.....	2,128	.....	.....	.....
Total receipts, coastwise	32,311	32,311	.....	374,074	.....	.....
SHIPMENTS, COASTWISE.						
Nonmetallic minerals: Paving blocks	3,000	3,000	22,500	22,500	.....	.....
Total shipments, coastwise	3,000	3,000	.....	22,500	.....	.....
Total receipts and shipments	35,311	35,311	.....	396,574	.....	.....

SUMMARY.

Classes of commodities.	Domestic, coastwise. Tons.	Domestic, coastwise. Value.
Animals and animal products	500	$50,000
Nonmetallic minerals	34,811	346,574
	35,311	396,574

Vessel classification, 1921.

Class.	Number.	Arrivals and departures.	Tonnage. Least.	Tonnage. Greatest.	Draft, feet.
Towboats	3	150	.....	36	7.5
Steamers	1	2	.....	76	9
Schooners	1	16	.....	60	8
Barges	31	120	160	500	7-10

1,000-ton barges loaded to about 500 tons affording less draft than smaller barges loaded to capacity are necessary on account of lack of depth.

About 15 fishing boats from 15 to 35 feet in length operate from the river as well as about 50 pleasure boats. The lower river and Little Narragansett Bay are used extensively in the summer season by cruising yachts.

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STONINGTON HARBOR, CONN.

Comparative statement of traffic.

Year.	Tons.	Value.
1920	6,523	$265,575
1921	9,394	249,280

[Navigation season, January 1 to December 31.]

Freight traffic, 1921.

Classes and commodities.	Amount in short tons by commodities (bulk).	Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
			By commodities.	By classes.		
RECEIPTS, COASTWISE.					*Miles.*	*Cents.*
Animals and animal products: Fish	1,800	1,800	$216,000	$216,000		
Nonmetallic minerals		7,594		33,280		
Coal, anthracite	6,657		29,227		145	1
Coal, bituminous	542		3,258		145	1
Sand and clay	395		795			
Total receipts, coastwise	9,394	9,394		249,280		

SUMMARY.

Classes of commodities.	Domestic, coastwise.	
	Tons.	Value.
Animals and animal products, except wool and hair	1,800	$216,000
Nonmetallic minerals	7,594	33,280
Total	9,394	249,280

Vessel classification, 1921.

Class.	Number.	Arrivals and departures.	Tonnage.		Draft, feet.
			Least.	Greatest.	
Steamers	1	8		76	9
Towboats	3	50		36	7.5
Schooners	1	4		60	8
Barges	4	10	200	350	8-10

Cargo freight was carried principally in canal boats and box barges. Fish was carried in power fishing boats of from 20 to 40 feet in length. About 30 of these boats make Stonington a home port, and during 1921 there were as many as 75 using Stonington as a base. During 1921 about 2,000 vessels—schooners, barges, and towboats and yachts—sought refuge behind the breakwaters.

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MYSTIC RIVER, CONN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1912	52,209	$251,105	1917	26,193	$214,069
1913	50,888	260,704	1918	19,690	150,590
1914	50,983	130,929	1919	15,992	130,518
1915	49,668	144,412	1920	17,683	493,326
1916	22,153	120,523	1921	26,519	405,089

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities (bulk).	Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
			By commodities.	By classes.		
RECEIPTS, COASTWISE.					*Miles.*	*Cents.*
Animals and animal products: Fish	2,376	2,376	$201,929	$201,929		
Nonmetallic minerals		24,143		203,160		
Coal, anthracite	9,964		127,200		125	1
Coal, bituminous	10,909		70,785		125	1
Stone	1,960		3,475			
Sand and gravel	1,310		1,700			
Total receipts, coastwise	26,519	26,519		405,089		

SUMMARY.

Classes of commodities.	Domestic, coastwise.	
	Tons.	Value.
Animals and animal products	2,376	$201,929
Nonmetallic minerals	24,143	203,160
Total	26,519	405,089

Vessel classification, 1921.

Classes.	Number.	Arrivals and departures.	Tonnage.		Draft, feet.
			Least.	Greatest.	
Registered:					
Towboats	6	90	20	100	8-12
Barges	15	80	200	700	9-12
Motor boats	35		5	75	3- 7

All fish is carried in motor boats, all other freight being handled by towed barges and scows.

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NEW LONDON HARBOR, CONN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1897	786,341	(1)	1910	798,290	$78,499,447
1898	722,609	(1)	1911	841,113	78,323,083
1899	743,640	$60,431,700	1912	907,990	107,688,345
1900	750,390	60,438,823	1913	924,127	112,332,489
1901	750,390	60,438,823	1914	824,095	102,871,515
1902	893,755	(1)	1915	786,551	117,779,117
1903	905,465	(1)	1916	849,746	172,153,233
1904	745,856	(1)	1917 [2]	690,977	210,423,517
1905	677,854	12,650,638	1918 [2]	542,665	164,710,162
1906	697,139	14,036,327	1919	553,845	120,107,614
1907	649,438	12,111,900	1920 [2]	424,995	176,121,976
1908	746,967	12,753,777	1921 [2]	522,896	161,926,743
1909	707,768	80,247,609			

[1] No statistics available.
[2] Carried 183,982 passengers in 1917, 132,711 in 1918, 149,170 in 1920, and 164,569 in 1921.

[Navigation season, Jan. 1 to Dec. 31.]

Freight traffic, 1921.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Animals and animal products			2,000		$793,888		
Fish		150		$60,000		120	0.6
Live stock		24		3,488		7	4.3
Animal products		1,826		730,400			
Vegetable food products			137,163		20,574,400		
Products of agriculture		36,796		5,519,400			
Sugar, etc		100,367		15,055,000			
Textiles: Cotton		1,360	1,360	100,000	100,000		
Wood and paper			10,855		1,618,518		
Lumber	3,150			77,518			
Products of forest		7,705		1,541,000			
Nonmetallic minerals			145,335		1,329,750		
Coal, anthracite	59,690			589,526		140	.5-1
Coal, bituminous	74,200			592,914		140	.4-1
Coke	2,178			17,598			
Petroleum products	8,792			121,212			
Feldspar		475		8,500		50	2
Ores, metals, and manufactures of			1,914		83,883		
Scrap iron	1,265			18,983			
Products of mine	649			64,900			
Machinery and vehicles: Vehicles		1,145	1,145	1,524,000	1,524,000		
Chemicals		1,467	1,467	73,350	73,350		
Unclassified: General merchandise, steamboat freight		98,553	98,553	68,681,870	68,681,870		
Total receipts	149,924	249,868	399,792		94,779,659		
SHIPMENTS, COASTWISE.							
Animals and animal products			551		227,000		
Fish		100		50,000			
Live stock		34		10,200			
Animal products		417		166,800			
Vegetable food products			2,168		283,828		
Products of agriculture		594		47,728			
Sugar		1,574		236,100			
Wood and paper			4,734		148,336		
Lumber	4,402			83,936			
Products of forest		332		64,400			

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NEW LONDON HARBOR, CONN.—continued.

Class and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, COASTWISE—continued.						*Miles.*	*Cents.*
Nonmetallic minerals: Stone	23,435	.....	23,435	$45,750	$45,750	.....	.....
Ores, metals, and manufactures of: Scrap iron	200	.....	200	3,000	3,000	.....	.....
Machinery and vehicles: Vehicles	.....	1,145	1,145	1,524,000	1,524,000	.....	.....
Unclassified: General merchandise, steamboat freight	.....	90,871	90,871	64,915,170	64,915,170	.....	.....
Total shipments coastwise	28,037	95,067	123,104	.....	67,147,084	.....	.....

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	2,551	$1,020,888
Vegetable food products	139,331	20,858,228
Textiles	1,360	100,000
Wood and paper	15,589	1,766,854
Nonmetallic minerals	168,770	1,375,500
Ores, metals, and manufactures of	2,114	86,883
Machinery and vehicles	2,290	3,048,000
Chemicals	1,467	73,350
Unclassified	189,424	133,597,040
Total	522,896	161,926,743

All traffic in and out of the Thames River passes through New London. New London Harbor is used to a large extent as a harbor of refuge by all classes of vessels passing through Long Island Sound. A large part of the bulk freight going to Westerly and to Mystic passes in transit through this harbor. A local ferry makes three trips an hour between New London and Groton.

The passengers and freight transported by the Quartermaster boats to and from the forts of Long Island Sound and the other traffic above mentioned are not included in the foregoing statistics.

Vessel classification, 1921.

Class.	Number.	Arrivals and departures.	Tonnage.		Draft, feet.
			Least.	Greatest.	
Steamers	23	5,242	100	3,743	8–30
Schooners	1	2	1,388	1,388	22
Barges	71	250	40	1,000	4–22
Towboats	40	1,200	36	224	7–18

In addition to the vessels listed are the United States vessels of various departments, all using New London to a large extent; also yachts and fishing vessels and all vessels using New London Harbor for refuge. Passengers carried, 164,569.

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THAMES RIVER, CONN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1893	546,900	(1)	1910	484,242	$8,274,741
1896	424,945	(1)	1911	480,445	7,063,796
1898	459,588	(1)	1912	565,480	8,779,172
1900	464,283	(1)	1913	650,554	9,114,246
1902	464,283	(1)	1914	490,605	8,110,426
1903	409,997	(1)	1915	389,161	9,646,479
1904	346,791	(1)	1916	483,900	11,436,713
1905	446,004	(1)	1917[2]	328,188	13,043,737
1906	427,503	(1)	1918	265,076	11,889,876
1907	459,016	(1)	1919	144,673	9,382,575
1908	443,395	(1)	1920	249,205	14,589,877
1909	522,829	$7,619,010	1921	218,713	18,107,034

[1] No statistics available.

[2] Carried 4,602 passengers in 1917.

[Navigation season, Jan. 1 to Dec. 31.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Wood and paper			6,300		$152,429		
Lumber	1,958			$38,841		2,000	0.6
Paper Stock		4,342		113,588		130	2.1
Nonmetallic minerals			166,768		2,570,465		
Coal, bituminous	91,335			632,114		145	.7
Coal, anthracite	31,235			307,184		152	.7
Fuel oil	43,658			1,629,320			
Sand and gravel	540			1,847		275	.6
Ores, metals and manufactures of: Pig iron	2,380		2,380	47,216	47,216		
Machinery and vehicles: Machinery		2,067	2,067	574,890	574,890		
Unclassified: General merchandise		14,267	14,267	7,009,000	7,009,000		
Total receipts, coastwise	171,106	20,676	191,782		10,354,000		
SHIPMENTS, COASTWISE.							
Wood and paper			3,860		232,646		
Lumber	82			2,000			
Paper products	3,778			230,646		130	2.1
Nonmetallic minerals: Sand	13,057		13,057	17,500	17,500		
Unclassified: General merchandise, steamboat freight		10,014	10,014	7,502,888	7,502,888		
Total shipments, coastwise	16,917	10,014	26,931		7,753,034		
Total receipts and shipments	188,023	30,690	218,713		18,107,034		

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THAMES RIVER, CONN.—continued.

SUMMARY.

Classes of commodities.	Domestic, coastwise.	
	Tons.	Value.
Wood and paper	10,160	$385,075
Nonmetallic minerals	179,825	2,587,965
Ores, metals and manufactures of	2,380	47,216
Machinery and vehicles	2,067	574,890
Unclassified	24,281	14,511,888
Total	218,713	18,107,034

Smaller receipts of coal and petroleum products caused a falling off in tonnage of about 30,000 tons.

Vessel classification, 1921.

Classes.	Number.	Arrivals and departures.	Tonnage.		Draft, feet.
			Least.	Greatest.	
Steamers	5	340	300	2,800	9–15
Barges	66	282	220	979	9–18
Schooners	2	4	475	607	12–16
Towboats	10	300	36	60	7.5–12

Navy vessels carrying passengers and supplies make many trips to New London from the submarine base on the Thames River. This traffic is not included in the statistics.

CONNECTICUT RIVER BELOW HARTFORD, CONN.[1]

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1893	650,000	(2)	1908	515,581	(2)
1894	560,000	(2)	1909	614,780	(2)
1895	712,000	(2)	1910	636,874	(2)
1896	772,000	(2)	1911	683,326	(2)
1897	648,000	(2)	1912	619,445	$39,443,282
1898	665,000	(2)	1913	644,633	38,843,681
1899	700,000	(2)	1914	559,728	35,193,842
1900	700,000	(2)	1915	641,562	39,835,837
1901	733,187	(2)	1916	637,192	44,327,033
1902	570,818	(2)	1917 [3]	602,008	58,940,460
1903	681,000	(2)	1918 [3]	533,455	50,090,299
1904	675,000	(2)	1919	283,078	54,055,569
1905	673,383	(2)	1920 [3]	433,131	59,478,977
1906	440,024	(2)	1921 [3]	423,672	47,522,434
1907	485,704	(2)			

[1] Includes Eight Mile River.
[2] No statistics available.
[3] Carried 48,647 passengers in 1917, 31,769 in 1918, 43,443 in 1920, and 39,043 in 1921.

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CONNECTICUT RIVER BELOW HARTFORD, CONN.—continued.

[Navigation season, January 1 to December 31.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Lumber	1,026	1,026	$23,219	$23,219

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Vegetable food products:						*Miles.*	*Cents.*
Vegetables		1,378	1,378	$97,922	$97,922		
Wood and paper: Lumber	4,153		4,153	106,236	106,236	450–7,000	0.9–0.35
Nonmetallic minerals			354,917		6,843,400		
Coal, anthracite	117,591			1,248,619			
Coal, bituminous	150,947			1,864,813			
Plaster		1,321		26,639		150	2
Stone	8,000			8,000		12	5
Tile		1,395		13,576		170	1.5
Petroleum products	75,663			3,681,753			
Chemicals: Fertilizer	3,659	400	4,059	28,309	28,309	140	1.6
Unclassified: General package, steamboat freight		38,232	38,232	28,674,000	28,674,000	150	2.5–8
Total	360,013	42,726	402,739		35,749,867		
SHIPMENTS, COASTWISE.							
Wood and paper: Cordwood	108		108	648	648	125	1.6
Nonmetallic minerals: Feldspar	3,700	475	4,175	30,700	30,700	50–180	2–1.4
Unclassified: General package steamship freight		15,624	15,624	11,718,000	11,718,000	150	2.5–8
Total	3,808	16,099	19,907		11,749,348		
Total receipts and shipments, coastwise	363,821	58,825	422,646		47,499,215		

SUMMARY.

Classes of commodities.	Foreign, imports.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products			1,378	$97,922	1,378	$97,922
Wood and paper	1,026	$23,219	4,261	106,884	5,287	130,103
Nonmetallic minerals			359,092	6,874,100	359,092	6,874,100
Chemicals			4,059	28,309	4,059	28,309
Unclassified			53,856	40,392,000	53,856	40,392,000
Total	1,026	23,219	422,646	47,499,215	423,672	47,522,434

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CONNECTICUT RIVER BELOW HARTFORD, CONN.—continued.

Vessel classification, 1921.

Classes.	Number.	Arrivals and departures.	Tonnage.		Draft, feet.
			Least.	Greatest.	
Steamers	5	1,000	89	300	8-11
Barges	50	962	110	689	6-12
Schooners [1]	14	50	67	900	7½-16
Towboats	9	814	13	154	5-12

[1] 3 foreign.

In addition to the above, five gas-propelled boats of from 25 to 59 tons made 30 trips with produce from Long Island to Hartford.

DUCK ISLAND HARBOR, CONN.

[Navigation season, January 1 to December 31.]

No record was kept during the year of the number of vessels using this harbor of refuge. There is no local commerce. No estimate can be made of the amount and value of the commerce affected by the improvement, as the harbor is available as a refuge for the major part of the commerce passing through Long Island Sound.

BRANFORD HARBOR, CONN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1900	34,120	(1)	1911	41,744	$237,899
1901	(1)	(1)	1912	45,389	271,295
1902	25,436	(1)	1913	43,643	242,187
1903	27,058	(1)	1914	41,333	204,529
1904	22,910	$230,450	1915	32,227	145,503
1905	29,972	194,791	1916	30,375	218,493
1906	25,960	193,471	1917	37,032	332,316
1907	28,313	136,052	1918	30,587	261,957
1908	20,669	100,362	1919	21,215	143,199
1909	40,880	269,772	1920	34,129	529,484
1910	46,420	324,316	1921	17,605	140,361

[1] No statistics available.

[Navigation season, March 1 to December 31.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities (bulk).	Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
			By commodities.	By classes.		
RECEIPTS, COASTWISE.					*Miles.*	*Cents.*
Nonmetallic minerals	.....	14,675	.....	$81,776	.....	.....
Coal, anthracite	1,615	.....	$16,000	.....	95	1
Coal, bituminous	7,980	.....	52,906	.....	95	.....
Sand	5,080	.....	12,870	.....	110	.....
Ores, metals and manufactures of: Iron	2,930	2,930	58,585	58,585	500	.....
Total receipts, coastwise	17,605	17,605	.....	140,361	.....	.....

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BRANFORD HARBOR, CONN.—continued.

SUMMARY.

Classes of commodities.	Domestic, coastwise	
	Tons.	Value.
Nonmetallic minerals	14,675	$81,776
Ores, metals, and manufactures of	2,930	58,585
Total	17,605	140,361

Vessel classification, 1921.

Classes.	Number.	Arrivals and departures.	Tonnage.		Draft, feet.
			Least.	Greatest.	
Steamers	2	4			9
Towboats	2	42			9
Barges	21	42	150	500	7-9

The harbor is used by a number of small fishing boats and by a large number of pleasure craft.

NEW HAVEN HARBOR, CONN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1891	2,205,813	(1)	1908	1,921,123	(1)
1892	3,143,000	(1)	1909	1,429,809	(1)
1894	3,184,000	(1)	1910	2,105,184	(1)
1895	3,295,900	(1)	1911	1,995,401	(1)
1896	3,052,000	(1)	1912	2,080,122	$140,696,765
1899	3,440,700	(1)	1913	2,096,135	123,093,132
1900	3,472,200	(1)	1914	1,704,854	105,459,519
1901	3,737,049	(1)	1915	1,792,856	99,561,097
1902	2,086,990	(1)	1916	2,263,804	132,445,728
1903	2,257,197	(1)	1917 [2]	1,868,649	143,736,132
1904	1,511,427	(1)	1918 [2]	2,181,082	176,768,543
1905	2,126,232	(1)	1919	1,468,284	253,010,816
1906	1,847,633	(1)	1920 [2]	1,766,805	192,930,415
1907	1,875,395	(1)	1921 [2]	1,122,073	95,313,323

[1] No statistics available.
[2] Carried 78,130 passengers in 1917, 49,315 in 1918, 1,218 in 1920, and 45,747 in 1921.

[Navigation season: January 1 to December 31.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper		5,702		$91,737
Lumber	2,608		$57,110	
Wood pulp	3,094		34,627	
Nonmetallic minerals: Rock plaster	6,241	6,241	31,205	31,205
Total imports		11,943		122,947

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NEW HAVEN HARBOR, CONN.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
						Miles.	*Cents.*
Animals and animal products			30,615		$570,732		
Oysters	28,040			$565,175			
Shells	2,575			5,557			
Other vegetable products:							
Farm produce		154	154	49,000	49,000		
Wood and paper: Lumber	7,248		7,248	166,349	166,349	450	0.5–0.8
Nonmetallic minerals:			921,073		9,644,339		
Coal, bituminous	602,281			4,415,102		80	9
Coal, anthracite	259,002			2,856,209		80	9
Petroleum products	41,552	7,649		2,320,200			
Sand	6,547			11,809			
Clay	1,508			4,722			
Plaster		91		2,121			
Cement		2,443		34,276			
Ores, metals and manufactures of			684		40,860		
Iron pipe		680		40,800			
Scrap iron	4			60			
Chemicals			18,091		532,180		
Chemicals		6,425		257,000			
Fertilizer		11,666		275,180		60	1.7
Unclassified			64,873		48,615,150		
Steamboat freight, general merchandise		64,806		48,604,500			
Do		67		10,650			
Total receipts, coastwise	948,757	93,981	1,042,738		59,618,610		
SHIPMENTS, COASTWISE.							
Animals and animal products			18,900		192,500		
Oysters	6,020			162,300			
Shells	12,880			30,200			
Nonmetallic minerals: Petroleum products	553		553	1,541	1,541		
Chemicals, except coal tar		812	812	32,480	32,480		
Unclassified: General merchandise		47,127	47,127	35,345,250	35,345,250		
Total shipments, coastwise	19,453	47,939	67,392		35,571,771		
Total receipts and shipments	968,210	141,920	1,110,130		95,190,381		

SUMMARY.

Classes of commodities.	Foreign, imports.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			49,515	$763,232	49,515	$763,232
Other vegetable products			154	49,000	154	49,000
Wood and paper	5,702	$91,737	7,248	166,349	12,950	258,086
Nonmetallic minerals	6,241	31,205	921,626	9,645,880	927,867	9,677,085
Ores, metals, and manufactures of			684	40,860	684	40,860
Chemicals			18,903	564,660	18,903	564,660
Unclassified			112,000	83,960,400	112,000	83,960,400
Total	11,943	122,942	1,110,130	95,190,381	1,122,073	95,313,323

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NEW HAVEN HARBOR, CONN.—continued.

Vessel classification, 1921.

Classes.	Number.	Arrivals and departures.	Tonnage.		Draft, feet.
			Least.	Greatest.	
Barges	143	2,800	129	1,000	6-16
Steamers	26	6,000	54	785	6-15
Schooners [1]	36	226	20	747	6-20
Towboats	25	1,000	30	90	7-16

[1] 17 foreign.

In addition to the above reported freight-handling vessels, it is estimated that about 1,500 trips are made by gas propelled oyster boats. Two regular steamboat lines make daily trips to New York.

Barge freight of approximately 12,000 tons and valued at about $80,000 bound for Milford and Branford passed in and out of New Haven Harbor.

MILFORD HARBOR, CONN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1899	11,765	(1)	1911	34,350	(1)
1902	14,534	(1)	1912	12,043	$106,125
1903	20,181	(1)	1913	12,570	101,578
1904	21,304	(1)	1914	18,464	184,739
1905	19,230	(1)	1915	13,312	68,325
1906	26,815	(1)	1916	10,816	65,004
1907	23,989	(1)	1917	19,123	80,141
1908	28,587	(1)	1918	10,827	108,275
1909	22,617	(1)	1919	8,606	73,971
1910	22,327	(1)	1920	1,286	15,018
			1921	6,384	103,505

[1] No statistics available.

[Navigation season, Jan. 1 to Dec. 31.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Lumber	118	118	$3,149	$3,149
Total	.....	118	.....	3,149

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MILFORD HARBOR, CONN.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities (bulk).	Amount in short tons by classes.	Value. By commodities.	Value. By classes.	Average haul.	Rate per ton-mile.
RECEIPTS, COASTWISE.					*Miles.*	*Cents.*
Animals and animal products: Oysters	2,108	2,108	$33,200	$33,200	.....	.....
Wood and paper: Lumber	50	50	2,500	2,500	25	.....
Nonmetallic minerals: Coal	2,000	2,000	21,656	21,656	90	1
Total receipts, coastwise	4,158	4,158	.....	57,356	.....	.....
SHIPMENTS, COASTWISE.						
Animals and animal products: Oysters	2,108	2,108	43,200	43,200	135	1.9
Total receipts and shipments, coastwise	6,266	6,266	.....	100,556	.....	.....

SUMMARY.

Classes of commodities.	Foreign, imports. Tons.	Foreign, imports. Value.	Domestic, coastwise. Tons.	Domestic, coastwise. Value.	Total. Tons.	Total. Value.
Animals and animal products	.....	.....	4,216	$76,400	4,216	$76,400
Wood and paper	118	$3,149	50	2,500	168	$5,649
Nonmetallic minerals	.....	.....	2,000	21,656	2,000	21,656
Total	118	3,149	6,266	100,556	6,384	103,705

Vessel classification, 1921.

Classes.	Number.	Arrivals and departures.	Tonnage. Least.	Tonnage. Greatest.	Draft, feet.
Registered:					
Steamers	5	1,620	27	214	6–12
Tow boats	2	28	.....	.....	7– 8
Sailing vessels [1]	3	40	54	71	7–10
Barges, etc	4	14	100	500	4– 8
Motor boats	8	670	10	78	4–10

[1] 1 foreign schooner.

Coal was carried in barges, lumber in schooners and oysters in steamers, schooners, and motor boats. The harbor is used by many pleasure boats, both power and sail

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HOUSATONIC RIVER, CONN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1892	202, 325	(1)	1907	81, 163	(1)
1893	159, 830	(1)	1908	77, 895	(1)
1894	(1)	(1)	1909	81, 485	(1)
1895	(1)	(1)	1910	78, 714	(1)
1896	79, 647	(1)	1911	97, 098	(1)
1897	83, 200	(1)	1912	86, 009	$634, 554
1898	77, 000	(1)	1913	114, 183	1, 023, 558
1899	64, 712	(1)	1914	114, 988	1, 131, 813
1900	249, 185	(1)	1915	141, 583	1, 549, 338
1901	146, 105	(1)	1916	169, 340	2, 248, 793
1902	40, 793	(1)	1917	300, 047	3, 644, 347
1903	54, 587	(1)	1918	330, 670	3, 358, 191
1904	57, 070	(1)	1919	208, 879	3, 520, 132
1905	67, 938	(1)	1920	252, 446	4, 850, 999
1906	54, 496	(1)	1921	140, 526	4, 357, 445

[1] No statistics available.

[Navigation season, January 1 to December 31, on lower river.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities (bulk.)	Amount in short tons by classes.	Value. By commodities.	Value. By classes.	Average haul.	Rate per ton-mile.
RECEIPTS, COASTWISE.					*Miles.*	*Cents.*
Wood and paper: Lumber	500	500	$10, 000	$10, 000	.....	.....
Nonmetallic minerals	.....	140, 026	.....	4, 347, 445	.....	.....
Coal, anthracite	46, 130	.....	510, 161	.....	85	1.1
Coal, bituminous	33, 896	.....	237, 284	.....	85	.....
Petroleum products	60, 000	.....	3, 600, 000	.....	.....	.....
Total	140, 526	140, 526	.....	4, 357, 445	.....	.....

SUMMARY.

Classes of commodities.	Domestic, coastwise. Tons.	Domestic, coastwise. Value.
Wood and paper	500	$10, 000
Nonmetallic minerals	140, 026	4, 347, 445
Total	140, 526	4, 357, 445

Vessel classification, 1921.

Classes.	Number.	Arrivals and departures.	Tonnage. Least.	Tonnage. Greatest.	Draft, feet.
Steamers	2	280	.....	230	8½
Barges	40	282	200	501	8–10½
Towboats	6	290	38	60	7–10

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BRIDGEPORT HARBOR, CONN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890	1,314,157	(1)	1907	1,008,543	(1)
1892	1,324,190	(1)	1908	890,895	(1)
1894	968,659	(1)	1909	1,117,131	(1)
1895	1,045,769	(1)	1910	950,292	(1)
1896	1,030,451	(1)	1911	1,007,147	(1)
1897	1,081,973	(1)	1912	1,023,319	$44,265,501
1898	1,196,563	(1)	1913	1,083,047	43,727,073
1899	1,014,564	(1)	1914 [2]	1,039,398	67,003,507
1900	1,163,960	(1)	1915 [2]	1,135,623	71,061,781
1901	1,131,822	(1)	1916 [2]	1,548,225	109,889,957
1902	860,056	(1)	1917 [2]	1,588,056	124,522,773
1903	797,390	(1)	1918 [2]	1,604,804	138,999,392
1904	864,809	(1)	1919	1,116,967	119,039,055
1905	944,929	(1)	1920 [2]	1,280,223	130,982,232
1906	951,244	(1)	1921 [2]	762,419	60,097,411

[1] No statistics available.
[2] Passengers carried: 1914, 96,892; 1915, 121,270; 1916, 153,968; 1917, 126,779; 1918, 89,342; 1920, 28,642; 1921, 60,537.

[Navigation season, January 1 to December 31.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Lumber	3,945	3,945	$76,859	$76,859

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
						Miles.	*Cents.*
Animals and animal products			19,454		$294,162		
Oysters	13,758			$278,714			
Shells	5,696			15,448			
Wood and paper: Lumber	6,853		6,853	159,407	159,407	60–7,000	6–0.3
Nonmetallic minerals			612,936		5,828,425		
Coal, bituminous	332,078			2,312,272		60	1–1.4
Coal, anthracite	179,987			1,807,337		60	1–1.4
Coke	8,020			74,185			
Fuel oil	50,257			1,519,431			
Sand and gravel	18,850			30,641		60	1.2
Stone	20,676			33,668			
Cinders	1,875			1,215			
Sulphur	1,091			43,640			
Cement		102		6,036			
Ores, metals, and manufactures of			9,413		380,023		
Iron	8,518			164,923			
Iron pipe	133			25,100			
Brass	762			190,000			
Chemicals			8,156		212,517		
Fertilizer	5,657			133,827			
Chemicals	2,499			78,690			
Unclassified: Steamboat package freight		46,950	46,950	33,680,000	33,680,000		
Total	656,710	47,052	703,762		40,554,534		

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BRIDGEPORT HARBOR, CONN.—continued.

DOMESTIC—Continued.

Class and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, COASTWISE.							
						Miles.	*Cents.*
Animals and animal products			19,454		$250,614		
Oysters	13,758			$235,146			
Shells	5,696			15,468			
Wood and paper: Lumber	1,044		1,044	20,400	20,400		
Ores, metals, and manufactures of			9,618		963,675		
Steel	768			34,270			
Iron valves and fittings		8,850		929,405			
Chemicals: Chemicals		248	248	41,429	41,429		
Unclassified: Steamboat freight		24,348	24,348	18,189,900	18,189,900		
Total	21,266	33,446	54,712		19,466,018		
Total receipts and shipments, coastwise	677,976	80,498	758,474		60,020,552		

SUMMARY.

Classes of commodities.	Foreign, imports.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			38,908	$544,776	38,908	$544,776
Wood and paper	3,945	$76,859	7,897	179,807	11,842	256,666
Nonmetallic minerals			612,936	5,828,425	612,936	5,828,425
Ores, metals, and manufactures of			19,031	1,343,698	19,031	1,343,698
Chemicals			8,404	253,946	8,404	253,946
Unclassified			71,298	51,869,900	71,298	51,869,900
Total	3,945	76,859	758,474	60,020,552	762,419	60,097,411

A ferry within the harbor limits carried 850,000 people. It is estimated that the local traffic within the harbor was about 1,100 tons, valued at about $40,000. Cargoes in transit, including all coal for the Housatonic River, amounted to about 90,000 tons, valued at about $1,000,000.

Vessel classification, 1921.

Classes.	Number.	Arrivals and departures.	Tonnage.		Draft, feet.
			Least.	Greatest.	
Steamers	32	4,900	5	750	4-16
Schooners	[1] 20	124	25	950	6-17
Barges	130	1,960	100	1,100	4-16
Towboats	20	1,000	30	90	7-15

[1] 6 foreign.

Passengers carried, 60,537.

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WESTPORT HARBOR AND SAUGATUCK RIVER, CONN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1894	23,200	(1)	1908	11,504	$43,655
1895	28,940	$992,259	1909	12,873	50,609
1896	33,507	(1)	1910	13,634	65,034
1897	(1)	(1)	1911	14,011	56,076
1898	22,550	(1)	1912	17,090	98,276
1899	20,500	(1)	1913	13,921	70,510
1900	18,700	(1)	1914	15,612	60,879
1901	13,626	(1)	1915	(1)	(1)
1902	13,379	(1)	1916	18,694	83,002
1903	16,426	(1)	1917	10,513	59,042
1904	25,461	394,843	1918	8,390	71,940
1905	27,845	474,014	1919	5,720	54,030
1906	16,665	158,694	1920	4,521	44,414
1907	13,027	58,802	1921	9,835	93,930

[1] No statistics available.

[Navigation season, Mar. 1 to Dec. 20, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities (bulk).	Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
			By commodities.	By classes.		
RECEIPTS, COASTWISE.					*Miles.*	*Cents.*
Nonmetallic minerals		9,835		$93,930		
Coal, anthracite	8,116		$81,700		70	1.8
Coal, bituminous	1,719		12,230		70	1.5
Total receipts, coastwise	9,835	9,835		93,930		

Vessel classification, 1921.

Class.	Number.	Arrivals and departures.	Tonnage.		Draft, feet.
			Least.	Greatest.	
Registered:					
Steamers	1	6		111	9
Towboats	2	48			9
Barges	8	48	260	700	6–9

Due to insufficient depth only about 400 tons can be taken in one cargo. Several small fishing boats and about 15 pleasure boats make the river their home port.

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NORWALK HARBOR, CONN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890	312,500	(1)	1908	199,465	(1)
1891	368,500	(1)	1909	222,787	(1)
1894	136,800	(1)	1910	234,191	(1)
1895	201,095	(1)	1911	206,248	(1)
1896	146,045	(1)	1912	243,669	$21,186,030
1899	164,755	(1)	1913	247,968	22,568,126
1900	172,275	(1)	1914	206,467	11,463,619
1901	150,014	(1)	1915	237,391	33,174,097
1902	194,800	(1)	1916	247,419	31,418,526
1903	223,392	(1)	1917	194,949	13,904,060
1904	199,599	(1)	1918	161,848	28,207,334
1905	236,015	(1)	1919	129,666	1,178,014
1906	251,759	(1)	1920	115,796	1,454,854
1907	207,640	(1)	1921	115,106	1,651,681

[1] No statistics available.

[Navigation season, Jan. 1 to Dec. 31.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Wood pulp	7,527	7,527	$338,350	$338,350

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities (bulk).	Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
			By commodities.	By classes.		
RECEIPTS, COASTWISE.					*Miles.*	*Cents.*
Animals and animal products: Oysters	21,028	21,028	$415,374	$415,374		
Wood and paper		6,083		203,553		
Lumber	2,975		63,553			
Wood pulp	3,108		140,000			
Nonmetallic minerals		67,344		578,613		
Coal, anthracite	47,913		502,099		65	1.1
Coal, bituminous	10,590		59,915		65	1.1
Sand and stone	8,409		12,599		50	5.5
Brick	432		4,000			
Total receipts, coastwise	94,455	94,455		1,197,540		
SHIPMENTS, COASTWISE.						
Animals and animal products		13,124		115,791		
Oysters	7,281		108,780			
Oyster shells	5,843		7,011			
Total shipments, coastwise	13,124	13,124		115,791		
Total receipts and shipments	107,579	107,579		1,313,331		

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NORWALK HARBOR, CONN.—continued.

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			34,152	$531,165	34,152	$531,165
Wood and paper	7,527	$338,350	6,083	203,553	13,610	541,903
Nonmetallic minerals			67,344	578,613	67,344	578,613
Total	7,527	338,350	107,579	1,313,331	115,106	1,651,681

Vessel classification, 1921.

Classes.	Number.	Arrivals and departures.	Tonnage.		Draft, feet.
			Least.	Greatest.	
Registered:					
Steamers	11	1,512	25	300	6–11
Towboats	8	300	38	55	8–13
Sailing vessels [1]	11	42	40	600	5–15
Barges, etc	50	304	200	350	8–12
Motor boats [2]	11	2,860	6	60	4–9

[1] Three foreign.
[2] Gas-propelled oyster boats.

Freight was carried principally in barges drawing between 11 and 12 feet, and in steamers and motor craft drawing from 4 to 11 feet.

STAMFORD HARBOR, CONN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1892	154,607	(1)	1907	255,006	(1)
1893	233,339	(1)	1908	343,810	(1)
1894	199,964	(1)	1909	264,615	(1)
1895	220,506	(1)	1910	251,510	(1)
1896	373,758	(1)	1911	260,469	(1)
1897	(1)	(1)	1912	302,272	$14,955,811
1898	252,183	(1)	1913	332,576	15,984,034
1899	257,687	(1)	1914	263,331	10,456,050
1900	266,878	(1)	1915	356,768	17,843,810
1901	(1)	(1)	1916	401,359	22,708,426
1902	166,617	(1)	1917	315,159	19,258,529
1903	210,809	(1)	1918	277,955	28,355,122
1904	261,734	(1)	1919	233,962	27,479,304
1905	222,125	(1)	1920	267,121	26,826,035
1906	249,175	(1)	1921	200,081	21,794,495

[1] No statistics available.

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STAMFORD HARBOR, CONN.—continued.

[Navigation season, Jan. 1 to Dec. 31. West Branch closed to small boats Jan. 1 to Feb. 25.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Lumber	1,405	1,405	$28,500	$28,500

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Wood and paper: Lumber	3,477		3,477	$85,023	$85,023	50-1,000	4-0.6
Nonmetallic minerals:			166,401		1,502,773		
Coal, anthracite	70,097			749,922		55	1.3-2
Coal, bituminous	42,736			285,658		55	1.4
Coke	4,031			33,904		50	1.2
Sand and gravel	22,494			32,014			
Stone	12,843			28,133			
Cement		1,665		24,150			
Cinders	2,000			785			
Terra cotta	369			3,870			
Chalk	715			2,443		55	2.3
Crude minerals	544			13,600		50	4
Gas oil	2,677			73,120			
Kerosene and gas	6,230			255,174			
Unclassified: Steamboat freight		17,434	17,434	13,074,500	13,074,500	38	5-19
Total	168,213	19,099	187,312		14,662,296		
SHIPMENTS, COASTWISE.							
Nonmetallic minerals			1,976		62,699		
Chalk		550		17,764		50	8
Clay		1,426		44,935		50	6
Unclassified		9,388	9,388	7,041,000	7,041,000	38	5-.19
Total		11,364	11,364		7,103,699		
Total receipts and shipments, coastwise	168,213	30,463	198,676		21,765,995		

SUMMARY.

Classes of commodities.	Foreign, imports.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper	1,405	$28,500	3,477	$85,023	4,882	$113,523
Nonmetallic minerals			168,377	1,565,472	168,377	1,565,472
Unclassified			26,822	20,115,500	26,822	20,115,500
Totals	1,405	28,500	198,676	21,765,995	200,081	21,794,495

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STAMFORD HARBOR, CONN.—continued.

Vessel classification, 1921.

Class.	Number.	Arrivals and departures.	Tonnage.		Draft, feet.
			Least.	Greatest.	
Steamers	3	636	114	375	7–9
Towboats	10	500	38	100	7–11
Schooners [1]	12	24	100	808	8–16
Barges and scows	138	464	150	642	6–14

[1] Three foreign.

A regular steamboat line runs between Stamford and New York. The bulk of the traffic is handled in barges and scows although schooners are used to some extent, principally for lumber, as well as canal boats.

GREENWICH HARBOR, CONN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1894	110,000	(1)	1911	101,500	$9,323,250
1897	198,500	(1)	1912	113,831	9,747,163
1901	355,000	(1)	1913	116,570	8,582,337
1902	131,034	(1)	1914	119,677	6,550,723
1903	120,173	(1)	1915	96,632	2,656,780
1904	73,951	$1,469,752	1916	139,704	5,239,121
1905	92,000	3,456,000	1917	112,198	8,397,884
1906	108,348	3,869,500	1918	77,025	13,380,230
1907	80,730	3,334,400	1919	80,717	9,844,564
1908	76,160	9,778,000	1920	91,090	828,830
1909	79,727	8,884,960	1921 [2]	87,901	987,482
1910	93,182	9,600,046			

[1] No statistics available.
[2] Exclusive of ferry service to Oyster Bay, which was resumed, amounting to 17,142 tons valued at $14,692,500.

Carried 40,000 passengers in 1917, 28,000 in 1918, and 38,266 in 1921.

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Lumber	686	686	$16,552	$16,552

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GREENWICH HARBOR, CONN.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products: Oysters	3,000	.....	3,000	$75,000	$75,000
Wood and paper: Lumber	703	.....	703	16,800	16,800
Nonmetallic minerals	.....	.....	80,512	.....	804,130
Coal, anthracite	42,391	.....	.....	412,803	.....
Coal, bituminous	2,251	.....	.....	12,396	.....
Sand	14,279	.....	.....	17,180	.....
Stone	15,131	.....	.....	29,456	.....
Cement	.....	553	.....	33,863	.....
Tile and brick	.....	1,092	.....	10,911	.....
Gasoline	4,815	.....	.....	287,521	.....
Machinery and vehicles: Vehicles [1]	.....	8,571	8,571	7,346,250	7,346,250
Total receipts, coastwise	82,570	10,216	92,786	.....	8,242,180
SHIPMENTS, COASTWISE.					
Animals and animal products: Oysters	3,000	.....	3,000	75,000	75,000
Machinery and vehicles: Vehicles [1]	.....	8,571	8,571	7,346,250	7,346,250
Total shipments	3,000	8,571	11,571	.....	7,421,250
Total receipts and shipments	85,570	18,787	104,357	.....	15,663,430

[1] Ferry traffic.

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	.....	.....	6,000	$150,000	6,000	$150,000
Wood and paper	686	$16,552	703	16,800	1,389	33,352
Nonmetallic minerals	.....	.....	80,512	804,130	80,512	604,130
Machinery and vehicles [1]	.....	.....	17,142	14,692,500	17,142	14,692,500
Total	686	16,552	104,357	15,663,430	105,043	15,679,982

[1] Ferry traffic.

Vessel classification, 1921.

Class.	Number.	Arrivals and departures.	Tonnage.		Draft, feet.
			Least.	Greatest.	
Steamer	1	672	.....	250	8
Schooners [1]	11	22	70	300	8–14
Towboats	5	200	38	100	7–10
Barges	26	260	200	504	10–12

[1] 2 foreign.

About 75 pleasure boats make this harbor their home port. The steam ferry line between Greenwich and Oyster Bay resumed operations, making several trips daily throughout the summer and fall.

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SOUTHPORT HARBOR, CONN.

No commerce was reported for the past year, although there are a few small fishing boats that transport oysters and fish in small amounts on about a 3-foot draft. The harbor is used principally by pleasure boats, about 50 making headquarters at Southport. These boats are from 15 feet in length up to 150 feet and draw from 2 to 10 feet.

WARREN RIVER, R. I.

Comparative statement of traffic.

Year.	Tons.	Value.
1921	25,767	$394,168

[Navigation season, January 1 to December 31.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities (bulk).	Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
			By commodities.	By classes.		
RECEIPTS, COASTWISE.					*Miles.*	*Cents.*
Animals and animal products: Oysters	3,500	3,500	$151,672	$151,672	.....	.....
Wood and paper: Lumber	110	110	2,496	2,496	300	1.6
Nonmetallic minerals: Coal	22,157	22,157	240,000	240,000	200	.5
Total	25,767	25,767	.....	394,168	.....	.....

SUMMARY.

Classes of commodities.	Domestic, coastwise.	
	Tons.	Value.
Animals and animal products	3,500	$151,672
Wood and paper	110	2,496
Nonmetallic minerals	22,157	240,000
Total	25,767	394,168

Vessel classification, 1921.

Classes.	Number.	Arrivals and departures.	Tonnage.		Draft, feet.
			Least.	Greatest.	
Schooners	11	44	20	100	6–10
Barges	20	52	200	350	10–14
Towboats	5	60	35	60	8–10

In addition to the above number of vessels reported as using the waterway there are several gasoline-powered oyster boats making frequent trips in and out of the harbor.

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WICKFORD HARBOR, R. I.

[Navigation season, January 1 to December 31.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities (bulk).	Amount in short tons by classes.	Value. By commodities.	Value. By classes.	Average haul.	Rate per ton-mile.
RECEIPTS, COASTWISE.					*Miles.*	*Cents.*
Animals and animal products: Oysters	3,733	3,733	$95,929	$95,929	100	2.8
Wood and paper: Wood and lumber	3,830	3,830	18,600	18,600	.....	.....
Nonmetallic minerals: Coal	1,565	1,565	12,500	12,500	.....	.....
Total receipts, coastwise	9,128	9,128	.....	127,029	.....	.....
SHIPMENTS, COASTWISE.						
Animals and animal products: Oysters	666	666	25,000	25,000	.....	.....
Total receipts and shipments	9,794	9,794	.....	152,029	.....	.....

SUMMARY.

Classes of commodities.	Domestic, coastwise. Tons.	Domestic, coastwise. Value.
Animals and animal products	4,399	$120,929
Wood and paper	3,830	18,600
Nonmetallic minerals	1,565	12,500
Total	9,794	152,029

Vessel classification, 1921.

Classes.	Number.	Arrivals and departures.	Tonnage. Least.	Tonnage. Greatest.	Draft, feet.
Steamers	1	1,850	.....	201	9
Towboats	4	10	40	60	8–10
Schooners	13	110	15	60	5–8
Barges	2	4	200	300	9

Wickford is used as headquarters for a small fishing fleet and by a large number of yachts in the summer season. A regular boat line is maintained between Wickford and Newport.

Passengers carried, 24,698.

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COS COB HARBOR, CONN.

[Navigation season, January 1 to 15, and February 15 to December 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities (bulk).	Amount in short tons by classes.	Value. By commodities.	Value. By classes.	Average haul.	Rate per ton-mile.
RECEIPTS, COASTWISE.					*Miles.*	*Cents.*
Nonmetallic minerals		84,383		$747,486		
Coal	82,811		$743,278		55	1.7
Sand and stone	1,472		2,208		55	
Terra cotta	100		2,000			
Total receipts, coastwise	84,383	84,383		747,486		
SHIPMENTS, COASTWISE.						
Nonmetallic minerals: Brick	200	200	1,600	1,600	35	2.8
Total shipments, coastwise	200	200	1,600	1,600		
Total receipts and shipments	84,583	84,583		749,086		

SUMMARY.

Classes of commodities.	Domestic, coastwise. Tons.	Domestic, coastwise. Value.
Nonmetallic minerals	84,583	$749,086

Vessel classification, 1921.

Classes.	Number.	Arrivals and departures.	Tonnage. Least.	Tonnage. Greatest.	Draft, feet.
Registered:					
Towboats	5	124			7–13
Barges and scows	22	200	300	700	6–12

In addition to the registered vessels using the harbor approximately 6 fishing boats and 25 pleasure boats 20 to 35 feet long use Cos Cob as a home port. About 50 power boats of various sizes entered Cos Cob to have new engines installed Owing to restricted depth of water 450 tons is the largest cargo that can be freighted to Mianus, the head of navigation.

BRISTOL HARBOR, R. I.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.
1920	26,797	$2,954,967	
1921	29,720	8,238,500	100,030

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BRISTOL HARBOR, R. I.—continued.

[Navigation season, the entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products			400		$250,000	*Miles.*	*Cents.*
Meats, etc		300		$180,000		16	
Dairy products		100		70,000		16	
Vegetable food products			675		64,500		
Feeds		400		20,000			
Fruit		100		10,000			
Oils and fats		25		2,500			
Spices		25		15,000			
Sugars		125		17,000			
Other vegetable products:							
Nursery stock		15	15	2,750	2,750		
Wood and paper: Lumber		25	25	2,000	2,000		
Nonmetallic minerals			14,912		158,250		
Coal, anthracite	12,118			130,000		190	0.6
Coal, bituminous	2,759			25,000		12	4
Oil		35		3,250			
Machinery and vehicles			6,800		3,824,000		
Automobiles		6,600		3,784,000			
Machinery		200		40,000			
Total receipts, coastwise	14,877	7,950	22,827		4,301,500		
SHIPMENTS, COASTWISE.							
Textiles: Miscellaneous textile products		93	93	93,000	93,000		
Ores, metals, and manufactures of: Brass manufacturing		200	200	60,000	60,000		
Machinery and vehicles		6,600	6,600	3,784,000	3,784,000		
Total		6,893	6,893		3,937,000		
Total receipts and shipments, coastwise	14,877	14,843	29,720		8,238,500		

SUMMARY.

Classes of commodities.	Domestic, coastwise.	
	Tons.	Value.
Animals and animal products	400	$250,000
Vegetable food products	675	64,500
Other vegetable products	15	2,750
Textiles	93	93,000
Wood and paper	25	2,000
Nonmetallic minerals	14,912	158,250
Ores, metals and manufactures of	200	60,000
Machinery and vehicles	13,400	7,608,000
Total	29,720	8,238,500

Vessel classification, 1921.

Classes.	Number.	Arrivals and departures.	Tonnage.		Draft, feet.
			Least.	Greatest.	
Steamers [1]	3	7,924	62	181	8–9
Towboats	5	45	36	60	8
Barges	9	36	313	512	10–13

[1] One steamer run as a ferry to Portsmouth. Passengers carried, 100,039.

Bristol Harbor is used to a large extent by yachts and is the headquarters for a fishing fleet of small power boats.

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HARBOR AT TIVERTON, R. I. (SAKONNET RIVER).

Comparative statement of traffic.

Year.	Tons.	Value.
1920	42,522	$546,973
1921	64,006	603,896

[Navigation season, the entire year.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Nonmetallic minerals: Crude oil	24,904	24,904	$148,127	$148,127
Total imports		24,904		148,127

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Vegetable food products:						*Miles.*	*Cents.*
Fish		2	2	$200	$200		
Nonmetallic minerals			10,317		143,569		
Coal, bituminous	1,035			10,919		187	0.7
Coal, anthracite	1,732			19,762		187	.55
Brick	108			888		75	.3
Fuel oil	7,442			112,000			
Chemicals: Fertilizer	50		50	2,000	2,000		
Total receipts, coastwise	10,367	2	10,369		145,769		
SHIPMENTS, COASTWISE.							
Nonmetallic minerals			28,733		310,000		
Fuel oil	3,876			60,000			
Crude oil	24,857			250,000			
Total shipments, coastwise	28,733		28,733		310,000		
Total receipts and shipments, coastwise	39,100	2	39,102		455,769		

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			2	$200	2	$200
Nonmetallic minerals	24,904	$148,127	39,050	453,569	63,954	601,696
Chemicals			50	2,000	50	2,000
Total	24,904	148,127	39,102	455,769	64,006	603,896

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HARBOR AT TIVERTON, R. I. (SAKONNET RIVER)—continued.

Vessel classification, 1921.

Class.	Number.	Arrivals and departures.	Tonnage.		Draft, feet.
			Least.	Greatest.	
Steamers	5	10	200	5,711	15-26
Schooners	1	2	.....	65	10
Barges	6	68	126	952	12-16
Towboats	5	100	30	60	7-12

In addition to the vessels listed the river is used by a fleet of small fishing steamers, a number of motor fishing boats, and in the summer season by many yachts.

FIVEMILE RIVER HARBOR, CONN.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1891	10,000	(1)	1909	22,265	(1)
1894	11,298	(1)	1910	15,552	(1)
1895	11,298	(1)	1911	12,278	(1)
1897	17,160	(1)	1912	11,570	$165,897
1900	32,600	(1)	1913	14,725	171,229
1901	28,400	(1)	1914	10,118	140,316
1902	9,128	(1)	1915	2,498	31,399
1903	13,123	(1)	1916	2,984	44,436
1904	8,276	(1)	1917	1,435	19,981
1905	16,551	(1)	1918	1,103	18,994
1906	9,712	(1)	1919	1,279	20,629
1907	10,248	(1)	1920	561	64,140
1908	21,986	(1)	1921	101	9,120

[1] No statistics available.

[Navigation season, February 15 to December 31.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities (bulk).	By classes.	By commodities.	By classes.
RECEIPTS, COASTWISE.				
Animal and animal products	.....	101	.....	$9,120
Lobsters	13	.....	$6,920	.....
Oysters	88	.....	2,200	.....
Total	101	101	.....	9,120

Vessel classification, 1921.

All freight was carried in power boats from 18 to 45 feet in length and drawing from 2 to 7 feet. About 40 pleasure boats from 15 to 45 feet in length make this harbor their headquarters. The falling off in tonnage is due to the retirement from business of a number of fishermen.

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NEW YORK, FIRST DISTRICT.

PORT CHESTER HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890	160,000	(1)	1908	265,000	$7,355,000
1893	163,000	(1)	1909	255,067	7,630,000
1895	75,257	(1)	1910	247,223	7,370,830
1896	114,749	$2,452,981	1911	287,280	9,165,453
1898	140,000	4,936,000	1912	255,141	7,864,067
1899	169,500	6,256,000	1913	195,605	6,359,430
1900	181,000	7,269,500	1914	199,128	5,055,017
1901	327,000	9,118,000	1915	206,556	9,976,999
1902	237,000	900,000	1916	208,897	18,159,717
1903	240,000	3,940,000	1917	210,614	18,686,375
1904	255,000	4,590,000	1918	120,336	12,292,639
1905	293,000	7,365,000	1919	156,950	13,604,691
1906	265,000	6,870,000	1920	139,106	13,049,479
1907	275,000	7,405,000	1921	180,951	17,588,046

[1] No statistics available.

No passengers carried.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Wood and paper: Lumber and timber	1,651		1,651	$36,669	$36,669	324.0	
Nonmetallic minerals			29,171		35,986		
Gravel	3,684			6,539		21.0	
Sand	19,709			19,447		21.0	
Crushed stone	5,778			10,000		25.1	
Total receipts, coastwise	30,822		30,822		72,655		
RECEIPTS, INTERNAL.							
Nonmetallic minerals			28,790		56,920		
Brick (building)		1,407		11,959		87.0	
Crushed stone	25,883			38,961		71.0	
Molding sand	1,500			6,000		124.0	
Ores, metals, manufactures: Iron (pig and scrap)		400	400	10,000	10,000	482.0	0.7
Total receipts, internal	27,383	1,807	29,190		66,920		
RECEIPTS, INTRAPORT.							
Animal and animal products			1,201		41,500		
Horses		13		2,500		31.0	16.4
Oysters and clams		1,188		39,000		20.0	
Textiles			26		10,000		
Dry goods		14		3,000		31.0	14.5
Wool (raw)		12		7,000		31.0	21.3
Wood and paper: Lumber and timber	512		512	11,913	11,913	34.0	
Nonmetallic minerals			54,966		642,268		
Brick (hollow tile)		90		1,170		57.7	
Cement		100		1,500		34.0	
Salt		20		1,200		31.0	10.3
Clay		1		50		31.0	10.3
Coal	32,833			336,742		44.0	
Coke	600			5,700		44.7	

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PORT CHESTER HARBOR, N. Y.—continued.

DOMESTIC—Continued.

Class and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT—CON.						*Miles.*	*Cents.*
Ashes	13,620			$4,922		27.9	
Lubricating oil		5		840		31.0	14.2
Other petroleum products		6,184		288,444		36.1	
All other		1,513		1,700		47.3	
Ores, metals, and manufactures			9,605		$225,900		
Iron (pig and scrap)		9,600		225,000		20.6	
Cast-iron manufactures		1		150		31.0	
Steel (ingot, sheet, bar)		1		100		31.0	
Pipe (wrought iron)		1		250		31.0	
Hardware		2		400		31.0	
Unclassified: General merchandise		26,248	26,248	8,234,510	8,234,510	31.0	
Total receipts, intraport	47,565	44,993	92,558		9,166,091		
SHIPMENTS, INTRAPORT.							
Textiles: Felt		100	100	200,000	200,000	31.0	22.6
Nonmetallic minerals: Petroleum products		333	333	30,188	30,188	31.0	
Ores, metals, and manufactures: Steel manufactures		5,685	5,685	795,900	795,900	31.0	
Unclassified: General merchandise		21,715	21,715	7,254,100	7,254,100	31.0	
Total shipments, intraport		27,833	27,833		8,280,188		
Total receipts and shipments, intraport	47,565	72,826	120,391		17,446,279		
LOCAL.							
Nonmetallic minerals: Oyster shells		548	548	2,192	2,192	2.0	
Total local		548	548		2,192		

SUMMARY.

Classes of commodities.	Domestic.				Totals.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animal and animal products			1,201	$41,500	1,201	$41,500
Textiles			126	210,000	126	210,000
Wood and paper	1,651	$36,669	512	11,913	2,163	48,582
Nonmetallic minerals	29,171	35,986	84,637	731,568	113,772	767,554
Ores, metals and manufactures			15,690	1,031,800	15,690	1,031,800
Unclassified			47,963	15,488,610	47,963	15,488,610
Total	30,822	72,655	150,129	17,515,391	180,951	17,588,046

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PORT CHESTER, N. Y.—continued.

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers	2	156	156	268	373	7	11
Towboats	13	252	252	9	75	7	9
Sailing vessels	3	4	4	568	671	13	16
Canal boats, lighters, barges, etc	91	252	252	250	1,000	3	11
Motor boats	3	700	700	18	41	5	9

Passengers carried, none.

MAMARONECK HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1888	24,986	$327,392	1909	106,344	$1,260,982
1896	29,095	482,092	1910	35,627	1,078,500
1897	51,673	877,180	1911	26,335	1,214,895
1898	(1)	(1)	1912	64,371	128,012
1899	(1)	(1)	1913	118,992	970,164
1900	64,685	(1)	1914	74,985	875,106
1901	20,705	51,598	1915	57,583	1,332,866
1902	32,410	75,000	1916	36,007	1,496,100
1903	26,230	337,000	1917	35,680	1,331,927
1904	49,589	859,242	1918	33,196	1,444,068
1905	54,944	201,398	1919	45,816	1,890,495
1906	15,756	131,090	1920	30,142	1,920,773
1907	(1)	(1)	1921	45,125	1,477,267
1908	38,540	1,020,225			

[1] No statistics available.

No passengers carried.

[Navigation season, continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Lumber and timber	164	164	$4,141	$4,141

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Nonmetallic minerals: Sand	5,520		5,520	$5,520	$5,520	12.0	
Total receipts, coastwise	5,520		5,520		5,520		
INTERNAL RECEIPTS.							
Nonmetallic minerals			13,902		25,593		
Brick (building)		900		7,650		116.0	
Crushed stone	13,002			17,943		70.0	
Total internal receipts	13,002	900	13,902		25,593		

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MAMARONECK HARBOR, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT.						*Miles.*	*Cents.*
Wood and paper			752		$16,872		
Lumber and timber		750		$16,500		32.0	
All other		2		372		27.0	
Nonmetallic minerals			20,429		156,125		
Brick (building)		257		1,992		33.0	
Sewer pipe		250		5,000		33.0	
Coal	15,883			132,841		38.7	1.9
Ashes	3,199			480		27.0	
All other		840		15,812		27.0	
Ores, metals, and manufactures			333		50,454		
Pipe (cast iron)		300		40,800		22.0	
Hardware		33		9,654		29.0	
Chemicals			33		8,972		
Fertilizer (chemical)		12		586		29.0	
All other		21		8,386		27.0	
Unclassified: General merchandise		3,932	3,932	1,181,002	1,181,002	27.0	7.4
Total receipts, intraport	19,082	6,397	25,479		1,413,425		
SHIPMENTS, INTRAPORT.							
Nonmetallic minerals: Pumice		30	30	1,800	1,800	27.0	
Unclassified: General merchandise		30	30	26,788	26,788	27.0	7.4
Total shipments, intraport		60	60		28,588		
Total receipts and shipments, intraport	19,082	6,457	25,539		1,442,013		

SUMMARY.

Classes of commodities.	Foreign, imports.		Domestic.				Total.	
			Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper	164	$4,141			752	$16,872	916	$21,013
Nonmetallic minerals			5,520	$5,520	34,361	183,518	39,881	189,038
Ores, metals, and manufactures					333	50,454	333	50,454
Chemicals					33	8,972	33	8,972
Unclassified					3,962	1,207,790	3,962	1,207,790
Total	164	4,141	5,520	5,520	39,441	1,467,606	45,125	1,477,267

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers	1	250	250		217		8
Towboats	13	91	91	9	75	6	9
Sailing vessels	2	2	2				
Canal boats, lighters, barges, etc.	43	91	91	250	500	5	10

Passengers carried, none.

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HARBOR AT ECHO BAY, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1883	30,000	$171,750	.....	1910	267,900	$3,215,400	.....
1886	38,900	744,075	.....	1911	387,650	3,917,382	.....
1888	57,000	1,114,000	.....	1912	532,003	1,854,219	100,000
1889	86,900	1,290,000	.....	1913	506,180	3,750,000	146,212
1890	90,000	1,350,000	.....	1914	143,766	1,830,134	134,185
1902	99,000	500,000	.....	1915	104,518	2,042,530	93,774
1903	129,400	1,434,000	.....	1916	87,628	3,881,395	64,017
1904	151,200	1,647,500	.....	1917	76,569	3,872,418	150,000
1905	193,650	2,071,800	.....	1918	76,432	3,883,627	75,090
1906	270,460	2,769,208	.....	1919	82,487	6,270,647	100,000
1907	269,135	2,545,535	.....	1920	90,733	5,829,860	(1)
1908	244,750	2,092,500	.....	1921	84,166	4,663,381	(1)
1909	248,180	2,604,150	.....				

[1] The ferry between New Rochelle and Sea Cliff, Long Island, N. Y, first operated in 1912, was discontinued in 1920.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
						Miles.	*Cents.*
Wood and paper: Lumber and timber	.....	458	458	$11,836	$11,836	5,325.0	.....
Nonmetallic minerals: Sand	6,953	.....	6,953	6,953	6,953	17.0	.....
Total receipts, coastwise	6,953	458	7,411	.....	18,789	.....	.....
INTERNAL RECEIPTS.							
Nonmetallic minerals: Crushed stone	6,570	.....	6,570	9,096	9,096	65.2	0.7
RECEIPTS, INTRAPORT.							
Wood and paper	.....	.....	2,390	.....	56,000	.....	.....
Lumber and timber	2,250	.....	.....	49,500	.....	25.2	.....
Shingles	.....	140	.....	6,500	.....	25.2	.....
Nonmetallic minerals	.....	.....	55,585	.....	934,496	.....	.....
Bricks (building)	.....	900	.....	7,650	.....	46.6	.....
Cement	.....	1,439	.....	20,143	.....	25.2	.....
Coal	33,994	.....	.....	303,127	.....	35.1	.....
Ashes	8,314	.....	.....	1,505	.....	23.6	.....
Gasoline	.....	2,671	.....	222,647	.....	43.6	.....
Kerosene	.....	253	.....	8,266	.....	43.6	.....
Other petroleum products	.....	7,349	.....	363,158	.....	26.6	.....
All other	.....	665	.....	8,000	.....	30.0	3.3
Unclassified: General merchandise	.....	12,000	12,000	3,600,000	3,600,000	23.6	.....
Total receipts, intraport	64,558	25,417	69,975	.....	4,590,496	.....	.....
SHIPMENTS, INTRAPORT.							
Unclassified: General merchandise	.....	150	150	45,000	45,000	23.6	.....
Total shipments, intraport	.....	150	150	.....	45,000	.....	.....
Total receipts and shipments, intraport	64,558	25,567	70,125	.....	4,635,496	.....	.....

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HARBOR AT ECHO BAY, N. Y.—continued.

SUMMARY.

Classes and commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper	458	$11,836	2,390	$56,000	2,848	$67,836
Nonmetallic minerals	6,953	6,953	62,155	943,592	69,108	950,545
Unclassified	.....	.....	12,150	3,645,000	12,150	3,645,000
Totals	7,411	18,789	76,695	4,644,592	84,106	4,663,381

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers	3	186	186	100	220	6	11
Towboats	15	160	160	62	87	7	10
Sailing vessels	1	1	1	350	.....	12	.....
Canal boats, lighters, barges, etc.	47	170	170	120	154	3	13

Passengers carried, none.

NEW ROCHELLE HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.
1920	80,720	$1,168,706	.....
1921	114,305	598,899	60,000

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
						Miles.	*Cents.*
Animal and animal products: Oysters and clams.	80	.....	80	$4,480	$4,480	24.2	.....
Nonmetallic minerals	.....	.....	24,635	.....	35,330	.....	.....
Gravel	3,926	.....	.....	3,625	.....	25.0	.....
Sand	20,709	.....	.....	31,705	.....	6.0	.....
Total receipts, coastwise	24,718	.....	24,715	.....	39,810	.....	.....

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NEW ROCHELLE HARBOR, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INTERNAL RECEIPTS.						*Miles.*	*Cents.*
Nonmetallic minerals			20,973		$34,000		
Brick (building)		750		$6,000		60.6	
Crushed stone	20,223			28,000		64.0	0.7
Total internal receipts	20,223	750	20,973		34,000		
RECEIPTS, INTRAPORT.							
Animal and animal products: Horses		19	19	5,735	5,735	1.5	
Wood and paper			4,235		88,600		
Lumber and timber		4,050		81,000		24.6	
Shingles		185		7,600		24.6	
Nonmetallic minerals			60,747		362,004		
Cement		1,400		20,000		24.6	
Coal	44,832			339,826		35.6	1.7
Ashes	14,515			2,178		22.0	
Ores, metals, and manufactures			472		27,626		
Lead (sheet bar, etc.)		10		941		24.6	
Pipe		462		26,685		27.6	
Unclassified: Garbage		730	730			1.5	
Total receipts, intraport	59,347	6,856	66,203		483,965		
SHIPMENTS, INTRAPORT.							
Animal and animal products: Dressed meats		95	95	29,764	29,764	1.5	
Vegetable food products			68		3,860		
Fruits		31		2,300		1.5	
Vegetables		37		1,560		1.5	
Nonmetallic minerals			2,251		7,500		
Marble		1		700		1.5	
Sand	810			1,800		1.5	
Crushed stone	1,440			5,000		1.5	
Total shipments, intraport	2,250	164	2,414		41,124		
Total receipts and shipments, intraport	61,597	7,020	68,617		525,089		

SUMMARY.

Classes and commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animal and animal products	80	$4,480	114	$35,499	194	$39,979
Vegetable food products			68	3,860	68	3,860
Wood and paper			4,235	88,600	4,235	88,600
Nonmetallic minerals	24,635	35,330	83,971	403,504	108,606	438,834
Ores, metals and manufactures			472	27,626	472	27,626
Unclassified			730	No. value.	730	
Total	24,715	39,810	89,590	559,089	114,305	598,899

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NEW ROCHELLE HARBOR, N. Y.—continued.

Vessel classification, 1921.

Class.	Number of vessels.	Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Towboats	75	187	187	19	58	6	9
Canal boats, lighters, barges, etc	46	187	187	450	750	8	10
Unregistered:							
Ferry boats	1	7,716	7,716	180	.....	.....	9

Passengers carried, 60,000.

EAST CHESTER CREEK, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1892	47,115	(1)	1909	[2] 1,190,669	$4,325,364
1893	55,990	(1)	1910	378,400	4,356,900
1894	137,268	(1)	1911	435,626	1,956,608
1895	94,928	$2,199,186	1912	116,724	784,684
1899	286,428	1,957,224	1913	194,956	1,158,279
1900	300,475	(1)	1914	[3] 135,065	857,827
1901	225,357	(1)	1915	139,798	776,331
1902	99,750	870,500	1916	151,073	1,020,971
1903	104,655	572,800	1917	176,121	1,128,839
1904	146,955	963,263	1918	148,744	1,468,673
1905	206,275	1,755,850	1919	[4] 247,214	1,627,363
1906	282,655	3,063,360	1920	[5] 182,216	2,481,231
1907	354,019	1,954,254	1921	261,883	3,395,517
1908	273,369	2,864,000			

[1] No statistics available.
[2] Exceptional tonnage due to heavy railroad construction.
[3] Full returns not received.
[4] Exceptional tonnage due mainly to extra large receipts of coal.
[5] The increased value per ton due mainly to the quantity and quality of petroleum products.

No passengers carried.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
						Miles.	*Cents.*
Nonmetallic minerals	.....	.....	35,606	.....	$47,872	.....	.....
Gravel	10,008	.....	.....	$14,826	.....	16.0	.....
Sand	15,486	.....	.....	15,546	.....	24.3	3.5
Crushed stone	10,112	.....	.....	17,500	.....	25.8	.....
Total receipts, coastwise	35,606	.....	35,606	.....	47,872	.....	.....

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EAST CHESTER CREEK, N. Y.—continued.

DOMESTIC—Continued.

Class and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	*Cents.*
Wood and paper: Laths		668	668	$66,800	$66,800	220.0	
Nonmetallic minerals			28,197		81,872		
Brick (building)		5,283		39,622		112.0	
Crushed stone	22,612			37,885		63.0	0.7
Flagging		302		4,365		100.0	
Ores, metals, and manufactures: Iron (mine tailings)	300		300	450	450	274.0	
Total receipts, internal	22,912	6,253	29,165		149,122		
RECEIPTS, INTRAPORT.							
Wood and paper			1,600		37,000		
Lumber and timber	1,500			33,000		24.0	
Piles or logs		100		4,000		24.0	
Nonmetallic minerals			191,982		2,949,523		
Cement		1,690		25,350		24.0	
Paving blocks (stone)		300		1,025		24.0	
Coal	136,868			1,377,242		29.7	2.6
Ashes	4,265			640		20.0	
Cellar dirt	2,012					20.0	
Lubricating oil		149		5,792		34.2	
Gasoline		602		50,187		24.0	
Kerosene		664		37,411		24.0	
Other petroleum products	45,432			1,451,876		28.2	
Ores, metals, and manufactures: Structural steel		3,500	3,500	203,000	203,000	13.0	
Unclassified: General merchandise		30	30	9,000	9,000	27.8	
Total receipts, intraport	190,077	7,085	197,112		3,198,523		

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper			2,268	$103,800	2,268	$103,800
Nonmetallic minerals	35,606	$47,872	220,179	3,031,395	255,785	3,079,267
Ores, metals, and manufactures of			3,800	203,450	3,800	203,450
Unclassified			30	9,000	30	9,000
Total	35,606	47,872	226,277	3,347,645	261,883	3,395,517

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Towboats	14	508	508	21	71	5	7
Canal boats, lighters, barges, etc	163	508	508	225	800	3	10

Passengers carried, none.

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WESTCHESTER CREEK, N. Y.

Comparative statement of traffic.

Year.	Tonnage.	Value.	Year.	Tonnage.	Value.
1909	263,857	$1,371,235	1916	150,369	$499,271
1911	148,117	699,465	1917	238,405	879,945
1912	169,164	733,236	1918	171,901	1,001,882
1913	571,166	1,531,161	1919	126,218	617,490
1914	589,322	1,036,984	1920	264,442	1,029,719
1915	220,912	498,393	1921	470,848	922,780

No passengers carried.

The increase in tonnage during the year 1920, as compared with the previous years, is due to building activity.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Nonmetallic minerals			30,001		$34,402		
Gravel	487			$722		19.4	
Sand	18,680			18,680		35.0	
Crushed stone	10,834			15,000		66.6	
Total receipts, coastwise	30,001		30,001		34,402		
RECEIPTS, INTERNAL.							
Nonmetallic minerals			6,315		53,943		
Crushed stone	2,597			3,564		57.0	
Flagging		3,718		50,359		117.0	
Ores, metals, and manufactures: Pipe (cast iron)		248	248	15,501	15,501	306.0	
Total receipts, internal	2,597	3,966	6,563		69,444		
RECEIPTS, INTRAPORT.							
Nonmetallic minerals			434,224		817,051		
Coal	54,781			410,858		22.9	1.8
Ashes	370,271			55,606		14.0	
Other petroleum products		9,172		350,587		17.7	
Ores, metals, and manufactures: Iron oxide	45		45	638	638	9.0	
Total receipts, intraport	425,097	9,172	434,269		817,689		
SHIPMENTS, INTRAPORT.							
Nonmetallic minerals: Gasoline		15	15	1,245	1,245	21.8	
Total shipments, intraport		15	15		1,245		
Total receipts and shipments, intraport	425,097	9,187	434,284		941,834		

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WESTCHESTER CREEK, N. Y.—continued.

SUMMARY.

Classes of commodities.	Domestic				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals	30,001	$34,402	440,554	$872,239	470,555	$906,641
Ores, metals, and manufactures of			293	16,139	293	16,139
Total	30,001	34,402	440,847	888,378	470,848	922,780

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Towboats	25	754	754	35	62	9	10
Canal boats, lighters, barges, etc.	119	1,007	1,007	169	1,000	3	11

Passengers carried, none.

BRONX RIVER, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890	220,000	$1,275,000	1910	456,756	$2,020,386
1897	139,310	526,025	1911	681,181	2,458,798
1899	171,300	1,985,700	1912	319,083	1,416,589
1900	166,500	(1)	1913	658,473	2,443,407
1901	168,000	(1)	1914	841,586	1,947,786
1902	153,137	500,000	1915	184,090	1,732,725
1903	77,710	536,400	1916	767,938	1,801,990
1904	42,286	196,642	1917	432,478	1,724,273
1905	181,093	820,482	1918	381,713	3,046,629
1906	341,538	1,720,097	1919	980,090	2,181,341
1907	382,957	1,807,317	1920	849,980	2,551,730
1908	401,433	2,458,798	1921	417,853	1,914,161
1909	520,215	1,272,266			

[1] No statistics available.

No passengers carried.

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BRONX RIVER, N. Y.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Nonmetallic minerals			94,722		$84,362		
Gravel	10,205			$15,014		21.0	
Sand	84,517			69,348		21.0	
Total receipts, coastwise	94,722		94,722		84,362		
INTERNAL RECEIPTS.							
Wood and paper			546		27,843		
Lumber and timber	446			17,843		195.0	0.6
Laths		100		10,000		194.0	
Nonmetallic minerals			44,626		158,910		
Brick (building)		6,096		51,816		87.0	
Cement		4,583		66,739		125.0	
Crushed stone	33,947			40,355		53.0	
Total receipts, internal	34,393	10,779	45,172		186,753		
RECEIPTS, INTRAPORT.							
Wood and paper: Piles or logs		50	50	2,000	2,000	8.0	
Nonmetallic minerals			275,839		1,368,830		
Asphalt		1,359		31,691		21.0	
Building stone		580		18,000		14.8	
Cement		3,358		50,381		15.2	
Lime		1,150		40,000		8.0	
Sand		13,500		13,500		34.5	
Coal	251,401			1,205,619		21.2	
Coke	300			2,250		10.0	
Ashes	3,997			599		10.0	
All other		194		6,790		23.0	
Ores, metals, and manufactures			1,100		44,216		
Structural steel		950		35,000		13.4	6.0
Pipe (cast iron)		150		9,216		13.4	
Total receipts, intraport	255,698	21,291	276,989		1,415,046		
SHIPMENTS, INTRAPORT.							
Machinery and vehicles: Engines and machinery		970	970	228,000	228,000	12.9	
Total shipments, intraport		970	970		228,000		
Total receipts and shipments, intraport	255,698	22,261	277,959		1,643,046		

SUMMARY.

Classes of commodities.	Domestic.				Totals.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper			596	$29,843	596	$29,843
Nonmetallic minerals	94,722	$84,362	320,465	1,527,740	415,187	1,612,102
Ores, metals, and manufactures of			1,100	44,216	1,100	44,216
Machinery and vehicles			970	228,000	970	228,000
Total	94,722	84,362	323,131	1,829,799	417,853	1,914,161

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BRONX RIVER, N. Y.—continued.

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Towboats	12	473	473	86	143	4	10
Canal boats, lighters, barges, etc	303	789	789	130	1,000	5	12

Passengers carried, none.

FLUSHING BAY, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1888	229,235	(1)	1909	277,300	$879,700
1895	150,376	(1)	1910	563,029	1,256,880
1896	80,820	(1)	1911	394,328	3,251,548
1897	163,395	$1,449,438	1912	942,614	2,102,261
1899	158,755	1,534,937	1913	917,861	969,011
1900	177,575	(1)	1914	853,714	968,461
1901	200,473	4,196,406	1915	677,460	1,006,295
1902	182,400	1,613,100	1916	710,547	1,137,195
1903	110,100	960,750	1917	1,355,680	3,508,600
1904	142,996	2,599,488	1918	335,801	1,251,323
1905	142,274	2,656,650	1919	1,413,466	1,140,398
1906	273,312	3,937,444	1920	1,613,560	1,468,151
1907	232,911	2,537,825	1921	1,456,888	2,656,088
1908	126,455	1,774,900			

[1] No statistics available.

No passengers carried.

[Navigation season, continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Lath	133	133	$11,201	$11,201

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Wood and paper: Lath		187	187	$15,102	$15,102	345.0	
Nonmetallic minerals			30,672		36,468		
Gravel	4,728			7,069		27.7	2.3
Sand	16,555			15,749		27.7	
Crushed stone	9,389			13,650		45.3	
Total receipts, coastwise	30,672	187	30,859		51,570		

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FLUSHING BAY, N. Y.—continued.

DOMESTIC—Continued.

Class and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INTERNAL RECEIPTS.						*Miles.*	*Cents.*
Wood and paper: Lath		145	145	$14,500	$14,500	188.0	
Nonmetallic minerals			54,812		153,696		
Brick (building)		10,038		77,292		87.0	2.0
Crushed stone	44,387			73,219		54.0	
Flagging		387		3,185		95.0	
Ores, metals and manufactures of: Iron (sheet, bar, etc.)		500	500	15,000	15,000	515.0	
Total receipts, internal	44,387	11,070	55,457		183,196		
RECEIPTS, INTRAPORT.							
Wood and paper			900		25,200		
Lumber and timber	300			1,200		21.8	
Piles or logs	600			24,000		21.8	
Nonmetallic minerals			1,366,239		1,776,611		
Asphalt		1,796		17,535		22.4	
Building stone	600			7,200		14.5	
Cement		4,161		58,354		14.8	
Sand	7,445			8,121		27.4	
Coal	159,910			1,199,325		21.4	
Ashes	1,014,953			152,281		10.4	
Cellar dirt	167,235			12,621		10.7	
Petroleum products		97		1,843		21.0	
Sulphur		61		3,465		17.8	11.2
All other	9,981			315,866		21.8	6.0
Machinery and vehicles: Engines and machinery		200	200	8,000	8,000	11.2	
Unclassified: Rubbish		3,100	3,100	310	310	15.3	
Total receipts, intraport	1,351,043	19,396	1,370,439		1,810,121		

SUMMARY.

Classes of commodities.	Foreign.		Domestic.				Total.	
	Imports.		Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper	133	$11,201	187	$15,102	1,045	$39,700	1,365	$66,003
Nonmetallic minerals			30,672	36,468	1,421,051	1,930,307	1,451,723	1,966,775
Ores, metals, and manufactures of					500	15,000	500	15,000
Machinery and vehicles					200	8,000	200	8,000
Unclassified					3,100	310	3,100	310
Total	133	11,201	30,859	51,570	1,425,896	1,993,317	1,456,888	2,056,088

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Steamers	4		17	17	100	220	8	11
Towboats	28		1,944	1,944	42	111	7	11
Sailing vessels	1	1	2	2	267	450	4	12
Canal boats, lighters, barges, etc.	420		2,902	2,902	120	1,000	3	12
Miscellaneous craft	7		12	12	50	700	2	15

Passengers carried, none.

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HEMPSTEAD HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1909	1,840,219	$1,610,740	1916	3,966,885	$1,195,538
1910	1,913,839	1,675,173	1917	2,451,014	1,397,005
1911	844,480	614,334	1918	2,008,349	1,001,000
1912	2,701,295	731,462	1919	2,072,685	3,048,314
1913	2,602,668	995,464	1920	2,768,211	3,497,364
1914	3,707,195	1,575,392	1921	2,503,786	3,036,327
1915	3,644,716	1,687,441			

No passengers carried.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
						Miles.	*Cents.*
Animal and animal products: Oysters and clams	2,175		2,175	$42,000	$42,000	93.5	0.8
Nonmetallic minerals			59,603		344,611		
Asphalt		365		19,142		51.0	
Cement		831		12,462		33.2	
Crushed stone	18,056			25,000		55.0	
Coal	39,851			287,632		49.2	
Ashes	500			375		30.0	
Machinery and vehicles: Engines and machinery		196	196	25,000	25,000	35.5	
Total receipts, coastwise	60,582	1,392	61,974		411,611		
SHIPMENTS, COASTWISE.							
Nonmetallic minerals			2,413,335		2,584,294		
Gravel	336,694			505,068		38.2	
Sand	2,075,966			2,075,966		38.2	
Oyster shells	675			3,260		55.0	
Total shipments, coastwise	2,413,335		2,413,335		2,584,294		
Total receipts and shipments, coastwise	2,473,917	1,392	2,475,309		2,995,905		
INTERNAL, RECEIPTS.							
Nonmetallic minerals			17,875		29,226		
Brick (building)		450		4,500		149.0	
Crushed stone	17,425			24,726		73.0	
Total internal receipts	17,425	450	17,875		29,226		
INTERNAL, SHIPMENTS.							
Nonmetallic minerals			10,602		11,196		
Gravel	4,455			6,683		159.0	
Sand	6,147			4,513		109.0	
Total internal shipments	10,602		10,602		11,196		
Total internal receipts and shipments	28,027	450	28,477		40,422		

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HEMPSTEAD HARBOR, N. Y.—continued.

SUMMARY.

Classes of commodities.	Domestic.					
	Coastwise.		Other domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animal and animal products	2,175	$42,000	.....	.....	2,175	$42,000
Nonmetallic minerals	2,472,938	2,928,905	28,477	$40,422	2,501,415	2,969,327
Machinery and vehicles	196	25,000	.....	.....	196	25,000
Total	2,475,309	2,995,905	28,477	40,422	2,503,786	3,036,327

Vessel classification, 1921.

Class.	Number of vessels.	Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Towboats	18	971	971	64	108	4	9
Sailing vessels	1	27	27	.....	.....	.....	.....
Canal boats, lighters, barges etc	231	3,965	3,965	150	850	3	10

Passengers carried, none.

HUNTINGTON HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1893	46,000	(1)	1908	38,316	$413,218
1894	58,009	(1)	1909	43,289	476,414
1895	70,000	(1)	1910	(1)	(1)
1896	73,350	$1,174,250	1911	50,542	548,072
1897	23,584	473,109	1912	36,716	671,367
1898	23,584	(1)	1913	68,504	147,491
1899	46,500	605,000	1914	30,975	(1)
1900	45,600	768,000	1915	42,863	200,722
1901	52,000	875,800	1916	73,362	198,946
1902	(1)	(1)	1917	44,155	151,613
1903	66,000	1,086,000	1918	25,599	170,809
1904	94,950	2,818,250	1919	20,462	139,757
1905	(1)	(1)	1920	30,996	193,300
1906	105,212	2,774,850	1921	43,912	224,568
1907	96,196	1,901,061			

[1] No statistics available.

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HUNTINGTON HARBOR, N. Y.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Class and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animal and animal products:						*Miles.*	*Cents.*
Manure	2,055		2,055	$3,630	$3,630	45.0	
Nonmetallic minerals			41,172		220,038		
Brick, building	300			2,500		76.0	2.1
Cement	7,469			108,430		48.0	
Gravel	459			755		7.5	
Crushed stone	26,554			45,957		45.0	
Coal	6,173			60,186		48.0	
Coke	205			1,590		48.0	
Petroleum products		12		620		45.0	
Total receipts, coastwise	43,215	12	43,227		223,668		
INTERNAL, RECEIPTS.							
Nonmetallic minerals: Crushed stone	685		685	900	900	112.0	

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animal and animal products	2,055	$3,630			2,055	$3,630
Nonmetallic minerals	41,172	220,038	685	$900	41,857	220,938
Total	43,227	223,668	685	900	43,912	224,568

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Towboats	16	131	131	9	111	6	12
Sailing vessels	2	2	2	128	200	6	8
Canal boats, lighters, barges, etc	113	618	618	190	800	5	10
Unregistered: Canal boats, lighters, barges, etc	3	5	5	175	565	3	9

Passengers carried, none.

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HUNTINGTON BAY, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	In transit.	
			Tons.	Value.
1920	720,851	$1,064,979	.....	.....
1921	365,687	526,837	43,912	$224,568

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Class and commodities.	Amount in short tons by commodities (bulk).	Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
			By commodities.	By classes.		
SHIPMENTS, COASTWISE.					*Miles.*	*Cents.*
Nonmetallic minerals	.....	362,541	.....	$522,444	.....	.....
Gravel	160,957	.....	$253,791	.....	44.4	0.4
Sand	201,584	.....	268,653	.....	36.4	.....
Total shipments, coastwise	362,541	362,541	.....	522,444	.....	.....
INTERNAL SHIPMENTS.						
Nonmetallic minerals	.....	2,943	.....	4,055	.....	.....
Gravel	1,350	.....	1,225	.....	490.0	.....
Sand	1,593	.....	2,830	.....	283.0	.3
Total internal shipments	2,943	2,943	.....	4,055	.....	.....
LOCAL.						
Nonmetallic minerals: Gravel	203	203	338	338	1.1	.....

Cargoes in transit.

Classes of commodities.	Amount in short tons.	Value.
Animals and animal products: Manure	2,055	$3,630
Nonmetallic minerals:		
Brick (building)	300	2,700
Cement	7,469	108,430
Gravel	450	755
Crushed stone	27,239	46,857
Coal	6,173	60,186
Coke	205	1,590
Other petroleum products	12	620
Total	43,912	224,568

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HUNTINGTON BAY, N. Y.—continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals	362,541	$522,444	3,146	$4,393	365,687	$526,837

	Tons.	Value.
Cargoes in transit	43,912	$224,568

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Towboats	12	79	79	9	75	6	10
Sailing vessels	2	2	2	128	200	6	8
Canal boats, lighters, barges, etc.	43	74	74	190	717	3	10
Unregistered: Canal boats, lighters, barges, etc.	3	5	5	175	565	3	9

Passengers carried, none.

PORT JEFFERSON HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1893	46,000	(1)		1908	127,230	$1,536,000	33,926
1894	42,000	(1)		1909	129,365	1,836,550	30,000
1895	36,000	(1)		1910	56,935	815,900	35,000
1896	31,700	$875,000		1911	(1)	(1)	(1)
1897	25,497	281,570		1912	21,591	842,541	(1)
1898	24,940	360,200		1913	21,793	999,562	48,699
1899	42,130	2,145,940		1914	22,281	572,791	46,509
1900	40,380	(1)		1915	20,746	1,132,325	45,284
1901	38,200	(1)		1916	11,491	660,247	35,556
1902	54,000	(1)		1917	49,983	3,113,606	52,324
1903	46,670	776,000	17,000	1918	10,351	1,121,634	52,324
1904	8,832	90,424	(1)	1919	12,490	985,349	44,040
1905	19,650	565,700	21,000	1920	59,386	286,033	62,726
1906	118,705	2,544,900	60,000	1921	152,839	2,998,208	54,743
1907	95,455	1,066,665	24,000				

[1] No statistics available.

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PORT JEFFERSON HARBOR, N. Y.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes of commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Animal and animal products			166		$75,940		
Horses		16		$12,500		17.8	22.5
Fish	10			1,000		22.0	
All other	140			62,440		17.8	33.7
Vegetable food products: Unclassified	1,448		1,448	354,760	354,760	17.8	16.9
Wood and paper: Lumber and timber	98		98	2,145	2,145	17.8	
Nonmetallic minerals: Coal	2,240		2,240	16,500	16,500	66.6	2.0
Ores, metals, and manufactures			13		1,914		
Steel manufactures		11		605		17.8	16.9
Hardware		2		1,309		28.3	
Machinery and vehicles			2,231		648,548		
Engines and machinery		87		22,500		17.8	
All other		2,144		626,048		17.8	
Unclassified			127		38,030		
General merchandise		92		26,200		17.8	25.3
Household goods		35		11,830		17.8	33.7
Total receipts, coastwise	3,936	2,387	6,323		1,137,837		
SHIPMENTS, COASTWISE.							
Animal and animal products			8,005		287,577		
Cattle		1		560		17.8	34.6
Fish	7,746			278,569		17.8	20.2
Oysters and clams	258			8,448		17.8	20.2
Vegetable food products			1,462		346,380		
Vegetables		54		1,420		28.3	17.8
All other	1,408			344,960		17.8	16.9
Nonmetallic minerals			133,333		135,211		
Gravel	3,902			5,780		59.0	
Sand	129,431			129,431		61.0	
Ores, metals, and manufactures: Scrap	5		5	825	825	17.8	16.9
Machinery and vehicles			3,676		1,078,548		
Engines and machinery		1,532		452,500		66.0	
All other	2,144			626,048		17.8	
Unclassified: Household goods		35	35	11,830	11,830	17.8	33.7
Total shipments, coastwise	144,894	1,622	146,516		1,860,371		
Total receipts and shipments, coastwise	148,830	4,009	152,839		2,998,208		

SUMMARY.

Classes of commodities.	Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.
Animal and animal products	8,171	$363,517	8,171	$363,517
Vegetable food products	2,910	701,140	2,910	701,140
Wood and paper	98	2,145	98	2,145
Nonmetallic minerals	135,573	151,711	135,573	151,711
Ores, metals, and manufactures of	18	2,739	18	2,739
Machinery and vehicles	5,907	1,727,096	5,907	1,727,096
Unclassified	162	49,860	162	49,860
Total	152,839	2,998,208	152,839	2,998,208

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PORT JEFFERSON HARBOR, N. Y.—continued.

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers	1	331	331	208		10	
Towboats	5	150	150				
Sailing vessels	1	1	1	55			7
Canal boats, lighters, barges, etc.	67	276	276	150	600	3	10
Motor boats	2	13	13	28	31	4	6

Passengers carried, 54,743.

MATTITUCK HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1904	56,602	$2,041,766	1915	1,312	$4,875
1908	1,100	22,000	1916	7,755	186,650
1909	1,475	23,660	1917	2,083	59,585
1910	3,265	27,350	1918	5,399	21,775
1911	9,360	145,812	1919	1,117	6,850
1912	3,900	75,150	1920	1,460	39,700
1913	726	5,620	1921	1,324	44,066
1914	2,413	15,000			

No passengers carried.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Class and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animal and animal products:						*Miles.*	*Cents.*
Oysters and clams	46		46	$1,500	$1,500	30.6	2.6
Wood and paper: Lumber and timber	3		3	66	66	30.6	
Total receipts, coastwise	49		49		1,566		
SHIPMENTS, COASTWISE.							
Vegetable food products			1,275		42,500		
Fruit		525		30,000		30.6	
Vegetables		750		12,500		30.6	
Total shipments, coastwise		1,275	1,275		42,500		
Total coastwise, receipts and shipments	1,324		1,324		44,066		

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MATTITUCK HARBOR, N. Y.—continued.

Freight traffic, 1921.

SUMMARY.

Classes of commodities.	Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.
Animal and animal products	46	$1,500	46	$1,500
Vegetable food products	1,275	42,500	1,275	42,500
Wood and paper	3	66	3	66
Total	1,324	44,066	1,324	44,066

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered: Power boats	8	66	66	19	21	4	7

Passengers carried, none.

GREAT SOUTH BAY, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1882	120,000	(1)	1907	224,108	$3,903,725
1883	125,000	$1,700,000	1908	195,000	4,014,000
1884	145,000	(1)	1909	204,500	3,406,000
1885	129,485	(1)	1910	181,000	3,220,600
1886	143,500	3,262,000	1911	180,800	3,135,000
1887	250,000	(1)	1912	185,860	3,189,000
1888	255,200	3,702,000	1913	67,000	1,015,000
1889	266,800	3,808,500	1914	9,966	103,892
1900	274,100	3,919,000	1915	18,434	132,884
1901	281,300	4,025,000	1916	19,572	148,516
1902	257,200	4,000,000	1917	17,857	125,441
1903	258,500	3,995,000	1918	12,999	137,064
1904	257,879	4,037,130	1919	16,279	167,541
1905	224,526	3,871,850	1920	11,312	259,729
1906	232,500	4,014,000	1921	14,259	436,326

[1] No statistics available.

NOTE.—The volume of tonnage shown for the years 1917 and 1918 does not correspond with the figures for these years as shown in the printed report of 1920, which latter figures are due to a typographical error.

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GREAT SOUTH BAY, N. Y.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Class and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animal and animal products:						*Miles.*	*Cents.*
Oysters and clams	8,104		8,104	$316,638	$316,638	129.6	
Nonmetallic minerals: Coal	2,927		2,927	23,012	23,012	72.0	
Total receipts, coastwise	11,031		11,031		339,650		
INTERNAL RECEIPTS.							
Nonmetallic minerals			1,719		7,735		
Brick (building)	740			6,080		108.0	1.9
Crushed stone	979			1,655		112.0	1.9
Total internal receipts	1,719		1,719		7,735		
LOCAL.							
Animal and animal products			538		29,968		
Fish (menhaden)	100			400		5.0	
Fish	162			17,170		5.0	
Oysters and clams	276			12,398		5.0	
Vegetable food products			19		2,390		
Fruits		6		897		6.5	
Vegetables		13		1,493		6.5	
Wood and paper			839		51,794		
Lumber and timber	789			48,720		6.5	30.8
Shingles		50		3,074		6.5	30.8
Nonmetallic minerals			64		1,389		
Brick (fire)		11		100		6.5	
Cement		40		900		6.5	
Oyster shells		9		100		5.0	
Gasoline		2		208		6.5	
Kerosene		2		81		6.5	
Unclassified: Ice		49	49	3,400	3,400	6.5	
Total local	1,327	182	1,509		88,941		

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	8,104	$316,638	538	$29,968	8,642	$346,606
Vegetable food products			19	2,390	19	2,390
Wood and paper			839	51,794	839	51,794
Nonmetallic minerals	2,927	23,012	1,783	9,124	4,710	32,136
Unclassified			49	3,400	49	3,400
Total	11,031	339,650	3,228	96,676	14,259	436,326

Vessels built and launched.

Class.	Number.
Houseboat	1
Launch	1

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GREAT SOUTH BAY, N. Y.—continued.

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Sailing vessels	7	473	473	6	50	3	7
Canal boats, lighters, barges, etc.	10	21	21	50	500	3	8
Motor boats	14	622	622	5	8	2	4

Passengers carried, none.

BROWNS CREEK, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1895	36,080	$733,000	1909	25,240	$924,780
1896	86,871	426,520	1910	32,945	906,100
1898	10,700	213,800	1911 [2]	7,950	58,850
1899	11,642	251,350	1912	10,734	276,350
1900	12,272	(1)	1913	12,135	260,380
1901	17,025	454,500	1914 [3]	24,116	536,300
1902	17,630	299,300	1915 [4]	8,998	97,375
1903	20,380	609,450	1916	17,007	140,308
1904	24,000	807,075	1917	7,287	101,115
1905	51,675	1,811,195	1918	8,641	177,770
1906	29,675	983,880	1919	8,231	98,290
1907	34,975	1,043,865	1920	7,332	165,354
1908	25,240	924,780	1921	8,761	319,024

No passengers carried.

[1] No statistics available.
[2] Reduction attributed to bad condition of channel.
[3] Believed to include the bay products landed on the shore of Great South Bay, east and west of Browns Creek. A small percentage only of these bay products is handled via Browns Creek.
[4] The large decrease below that of previous years in the tonnage and value of articles handled is attributed to an unusually bad fishing season.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes of commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products:						*Miles.*	*Cents.*
Oysters and clams	7,855	.....	7,855	$310,638	$310,638	103.0	2.7
Nonmetallic minerals: Coal	84	.....	84	788	788	72.0	.....
Total receipts, coastwise	7,939	.....	7,939	.....	311,426	.....	.....
INTERNAL RECEIPTS.							
Nonmetallic minerals	.....	.....	383	.....	1,198	.....	.....
Brick (building)	140	.....	.....	980	.....	103.0	1.9
Crushed stone	243	.....	.....	218	.....	107.0	1.9
Total internal receipts	383	.....	383	.....	1,198	.....	.....

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BROWNS CREEK, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities (package).	Amount in short tons by classes.	Value.		Average haul (miles).
			By commodities.	By classes.	
LOCAL.					
Animals and animal products	.....	430	.....	$6,300	.....
Fish	80	.....	$4,000	.....	5.0
Fish (Menhaden)	100	.....	400	.....	5.0
Oysters and clams	250	.....	1,200	.....	5.0
Nonmetallic minerals: Oyster shells	9	9	100	100	5.0
Total local	439	439	.....	6,400	.....

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	7,855	$310,638	430	$6,300	8,285	$316,938
Nonmetallic minerals	84	788	392	1,298	476	2,086
Total	7,939	311,426	822	7,598	8,761	319,024

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Sailing vessels	5	309	309	8	50	3	7
Canal boats, lighters, barges, etc.	2	4	4	50	500	3	8
Motor boats	5	256	256	5	8	2	4

Passengers carried, none.

JAMAICA BAY, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1909	977,266	$3,846,574	(1)	1916	736,775	$9,887,021	162,222
1910	1,785,605	4,631,348	350,000	1917	256,011	8,171,231	123,248
1911	975,271	1,923,118	(1)	1918	168,550	6,204,397	97,785
1912	425,551	5,150,000	175,000	1919	181,925	6,191,367	151,784
1913	816,132	5,346,878	230,487	1920	186,075	10,496,173	142,164
1914	768,550	5,171,668	429,107	1921	203,734	4,915,792	144,421
1915	750,867	7,049,795	412,500				

[1] No statistics available.

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JAMAICA BAY, N. Y.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products:						*Miles.*	*Cents.*
Oysters and clams	274		274	$8,250	$8,250	57.0	
Nonmetallic minerals			22,065		1,085,427		
Gravel	2,958			5,032		61.0	1.1
Sand	13,342			13,809		61.0	1.1
Crushed stone	4,232			10,586		79.0	
Paving blocks (stone)	960			6,000		410.0	
Other petroleum products	563			1,050,000		460.0	
Total receipts, coastwise	22,339		22,339		1,093,677		
SHIPMENTS, COASTWISE.							
Animals and animal products: Oysters and clams	249		249	6,000	6,000	45.0	5.3
Total shipments, coastwise	249		249		6,000		
Total receipts and shipments, coastwise	22,588		22,588		1,099,677		
RECEIPTS, INTERNAL.							
Nonmetallic minerals			16,529		54,850		
Brick (building)	4,326			32,885		107.9	2.0
Cement		400		6,000		137.0	
Crushed stone	11,803			15,965		61.9	2.0
Ores, metals, and manufactures: Steel manufactures		5,000	5,000	22,150	22,150	526.9	
Total receipts, internal	16,129	5,400	21,529		77,000		
SHIPMENTS, INTERNAL.							
Wood and paper: Lumber and timber	6,048		6,048	207,000	207,000	110.9	
Nonmetallic minerals: White sand	176		176	432	432	89.9	3.1
Ores, metals and manufactures: Iron (sheet, bar)		960	960	5,760	5,760	110.9	
Total shipments, internal	6,224	960	7,184		213,192		
Total receipts and shipments, internal	22,353	6,360	28,713		290,192		
RECEIPTS, INTRAPORT.							
Animals and animal products			6,922		30,154		
Dead animals		6,712		23,506		22.9	
Milk		210		6,648		4.0	
Vegetable food products			67		3,178		
Fruits		22		550		4.0	
Vegetables		24		528		4.0	
All other		21		2,100		4.0	
Wood and paper			2,482		63,487		
Lumber and timber	1,886			46,698		22.9	
Shingles		163		7,250		22.9	
Piles or logs	433			9,539		18.1	
Nonmetallic minerals			90,771		863,468		
Brick (building)	1,200			8,000		29.2	8.7
Cement		1,709		21,217		22.9	
Coal	62,665			513,472		28.0	4.5
Coke	798			6,655		22.9	
Ashes	7,422			1,317		21.7	
Petroleum products	6,679			137,509		26.0	
All other		10,298		175,298		19.3	

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JAMAICA BAY, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT—contd.						*Miles.*	*Cents.*
Ores, metals, and manufactures			8,234		$1,471,050		
Steel manufactures		12		$4,000		28.6	
Lead (sheet, bar, etc.)		500		80,000		22.0	
Pipe (steel)		129		5,300		24.0	
All other		7,593		1,381,750		22.5	9.5
Machinery and vehicles: Engines and machinery		20	20	10,000	10,000	24.0	
Unclassified			788		150,053		
General merchandise		500		150,000		20.0	
Garbage	288			53		22.9	
Total receipts, intraport	81,371	27,913	109,284		2,591,390		
SHIPMENTS, INTRAPORT.							
Animals and animal products			2,389		89,482		
Oysters and clams	50			3,000		28.6	
All other		2,339		86,482		22.5	
Wood and paper: Lumber and timber	1,623		1,623	30,040	30,040	21.1	
Nonmetallic minerals			37,584		52,251		
Sand	1,129			1,130		30.5	
All other		36,455		51,121		28.5	
Ores, metals, and manufactures			332		50,260		
Lead manufactures		300		48,000		22.0	
Pipe (steel)		28		1,600		22.9	
All other		4		660		24.0	
Machinery and vehicles: Engines and machinery		407	407	120,000	120,000	25.3	
Unclassified			736		588,000		
General merchandise		100		30,000		20.0	
All other		636		558,000		20.0	
Total shipments, intraport	2,802	40,269	43,071		930,033		
Total receipts and shipments, intraport	84,173	68,182	152,355		3,521,423		
LOCAL.							
Wood and paper: Lumber and timber	78		78	4,500	4,500	5.0	

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	523	$14,250	9,311	$119,636	9,834	$133,886
Vegetable food products			67	3,178	67	3,178
Wood and paper			10,231	305,027	10,231	305,027
Nonmetallic minerals	22,065	1,085,427	145,060	971,001	167,125	2,056,428
Ores, metals and manufactures of			14,526	1,549,220	14,526	1,549,220
Machinery and vehicles			427	130,000	427	130,000
Unclassified			1,524	738,053	1,524	738,053
Total	22,588	1,099,677	181,146	3,816,115	203,734	4,915,792

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NEW YORK HARBOR, N. Y.—continued.

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers	9	491	491	76	993	7	9
Towboats	11	219	219	22	122	6	12
Sailing vessels	21	117	117	47	151	3	8
Canal boats, lighters, barges, etc.	105	373	373	115	1,000	3	12

Passengers carried, 144,421.

Four sections of floating dry dock valued at $640,000 were built and launched in Jamaica Bay during the year.

SHEEPSHEAD BAY, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1911	28,700	$76,500	(1)	1917	850	$41,086	39,096
1912	1,800	36,000	400,000	1918	2,212	154,460	34,350
1913	2,000	40,000	500,000	1919	142	11,145	53,728
1914	3,598	144,777	500,000	1920	590	43,986	63,190
1915	11,654	82,756	433,738	1921	1,045	53,268	32,558
1916	1,146	49,080	249,121				

[1] No statistics available.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTRAPORT.					
Nonmetallic minerals: Petroleum products	769	.....	769	$43,442	$43,442
SHIPMENTS, INTRAPORT.					
Animals and animal products: Milk	.....	210	210	6,648	6,648
Vegetable food products	.....	.....	66	.....	3,178
Fruit	.....	21	.....	550	.....
Vegetables	.....	24	.....	528	.....
All other	.....	21	.....	2,100	.....
Total shipments, intraport	.....	276	276	.....	9,826
Total receipts and shipments, intraport	769	276	1,045	.....	53,268

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SHEEPSHEAD BAY, N. Y.—continued.

SUMMARY.

Classes of commodities.	Domestic.		Total.	
	Tons.	Value.	Tons.	Value.
Animals and animal products	210	$6,648	210	$6,648
Vegetable food products	66	3,178	66	3,178
Nonmetallic minerals	769	43,442	769	43,442
Total	1,045	53,268	1,045	53,268

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers	1	282	282	.....	41	.....	7
Towboats	1	4	4	.....	71	.....	9
Canal boats, lighters, barges, etc	2	4	4	115	599	3	10
Motor boats	8	1,475	1,475	10	48	4	8

Passengers carried, 32,568.

The data of motor boats is not complete. The harbor is used by pleasure craft almost exclusively, of which there are a great number. Those listed above are engaged in carrying fishing parties.

NEW YORK HARBOR, N. Y.

AMBROSE, MAIN SHIP, BAYSIDE, AND GEDNEY CHANNELS, INCLUDING UPPER BAY (ANCHORAGE CHANNEL), AND CRAVEN SHOAL, AND CHANNEL BETWEEN STATEN ISLAND, AND HOFFMAN AND SWINEBURNE ISLANDS.

Comparative statement of traffic.

FOREIGN.

Year.	Tons.	Value.	Year.	Tons.	Value.
1898	9,250,000	$1,058,520,139	1909	11,141,396	$1,521,966,090
1900	11,000,000	1,177,463,035	1910	12,028,131	1,727,006,057
1901	10,500,000	1,188,227,632	1911	13,581,200	1,744,877,134
1902	9,960,000	1,145,029,311	1912	14,186,469	1,915,644,233
1903	10,921,000	1,212,250,833	1913	15,552,676	2,140,243,057
1904	9,961,400	1,212,377,112	1914	15,298,057	2,060,847,222
1905	9,366,000	1,311,461,581	1915	17,885,893	2,216,337,518
1906	11,782,000	1,460,812,356	1916	22,963,249	3,743,430,013
1907	12,317,000	1,613,110,384	1917	24,007,169	5,583,740,276
1908	12,541,419	1,613,031,266	1918	18,407,667	3,917,355,373

The above is compiled from chamber of commerce reports for fiscal years.

The following is a statement of all commerce passing through the entrance channels during the calendar years 1919, 1920, and 1921.

Year.	Foreign.		Coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
1919	16,907,055	$2,865,758,884	9,434,927	$691,335,761	26,341,982	$3,557,094,645
1920	22,441,521	4,108,191,019	4,506,822	523,532,693	26,948,343	4,631,723,712
1921	14,549,067	2,476,632,646	7,568,468	524,577,597	22,117,535	3,001,210,243

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Passengers.

1919	2,512,535
1920	1,140,739
1921	789,682

Draft of vessels that crossed the outer bar during the calendar year 1921.

[Taken from the records of the New York and New Jersey Pilot Commissioner's Office.]

Draft.	Outward.		Inward.		Total.	
	Vessels.	Trips.	Vessels.	Trips.	Vessels.	Trips.
(a)	(b)	(c)	(d)	(e)	(f)	(g)
38 feet draft and under 39	2	5	.....	.....	2	5
37 feet draft and under 38	1	1	.....	.....	1	1
36 feet draft and under 37	2	8	.....	.....	2	8
35 feet draft and under 36	3	4	2	4	5	8
34 feet draft and under 35	5	9	4	4	9	13
33 feet draft and under 34	10	24	4	11	14	35
32 feet draft and under 33	13	26	4	8	17	34
31 feet draft and under 32	23	40	10	12	33	52
30 feet draft and under 31	30	46	12	22	42	68
29 feet draft and under 30	43	52	28	43	71	95
28 feet draft and under 29	66	80	44	62	110	142
27 feet draft and under 28	116	141	94	133	210	274
26 feet draft and under 27	118	159	110	156	228	315
25 feet draft and under 26	141	161	88	122	229	283
24 feet draft and under 25	184	202	135	170	319	372
23 feet draft and under 24	190	234	161	190	351	424
22 feet draft and under 23	164	206	168	247	332	453
21 feet draft and under 22	186	225	177	227	363	452
20 feet draft and under 21	144	172	166	189	310	361
19 feet draft and under 20	192	224	207	235	399	459
18 feet draft and under 19	200	253	322	380	522	633
17 feet draft and under 18	136	157	278	300	414	457
16 feet draft and under 17	153	182	280	315	433	497
15 feet draft and under 16	171	207	254	281	425	488
14 feet draft and under 15	206	258	210	356	416	514
13 feet draft and under 14	141	177	145	190	286	367
12 feet draft and under 13	85	94	106	117	191	211
11 feet draft and under 12	41	46	42	46	83	92
10 feet draft and under 11	21	24	21	23	42	47
9 feet draft and under 10	9	10	6	6	15	16
8 feet draft and under 9	0	0	2	2	2	2
Total	.....	3,427	.....	3,751	.....	7,178

The actual number of vessels involved in the above trips was 2,023.
Owing to the fact that vessels enter and leave the harbor with different drafts on different trips, the total of columns (b), (d), and (f) do not represent the actual number of vessels.

[Navigation season, continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products	.....	5,368	.....	$2,294,252
Fish	78	.....	$12,402	.....
Hides	315	.....	63,000	.....
All other	4,975	.....	2,218,850	.....
Vegetable food products	.....	44,012	.....	10,203,306
Wine	73	.....	123,881	.....
All other	43,939	.....	10,079,425	.....
Other vegetable products	.....	24,735	.....	12,033,548
Rubber goods	15,681	.....	7,840,500	.....
Tobacco	638	.....	591,000	.....
All other	8,416	.....	3,602,048	.....

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NEW YORK HARBOR, N. Y.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Textiles		16,765		$9,511,550
Cotton	672		$201,600	
Wool (raw)	3,835		1,342,250	
All other	12,258		7,967,700	
Wood and paper		4,295		215,689
Lumber and timber	328		7,216	
Lath	617		61,700	
Shingles	251		10,417	
All other	3,099		136,356	
Nonmetallic minerals		22,701		260,578
Sand	11,978		16,170	
Glassware	324		19,440	
Clay	3,005		2,178	
Chalk and whiting	1,500		16,500	
All other	5,894		206,290	
Ores, metals, and manufactures of		3,875		1,582,925
Lead (sheet, bar, ingot)	1,130		1,130,000	
All other	2,745		452,925	
Machinery and vehicles: All other	68	68	19,856	19,856
Chemicals		9,462		466,048
Fertilizer (chemical)	7,000		210,000	
All other	2,462		256,048	
Unclassified		16,597		4,699,658
General merchandise	9,706		2,370,500	
All other	6,891		2,329,158	
Total imports		147,878		41,287,410
EXPORTS.				
Animals and animal products		994		424,010
Hides	111		27,750	
Leather goods	3		3,780	
All other	880		392,480	
Vegetable food products		110,049		10,507,665
Flour	75,060		6,154,920	
Grain	29,033		3,171,200	
Sugar	1,915		191,500	
All other	4,041		990,045	
Other vegetable products		15,316		4,726,970
Rubber goods	15,034		4,510,200	
Tobacco	117		146,250	
All other	165		70,520	
Textiles		5,374		2,501,937
Cotton goods	1,739		1,361,637	
Cotton (raw)	3,467		1,040,100	
Wool (raw)	30		10,500	
All other	138		89,700	
Wood and paper: All other	1,684	1,684	74,096	74,096
Nonmetallic minerals		87,735		2,623,103
Cement	134		2,010	
Sand	25,369		25,369	
Glassware	22		1,320	
Coke	220		1,650	
Lubricating oil	406		32,480	
Gasoline	15,776		1,309,408	
Kerosene	175		9,800	
Other petroleum products	19,317		869,130	
Coal	20,412		163,296	
All other	5,904		208,640	
Ores, metals, and manufactures		36,980		4,803,193
Copper (ingot)	780		202,800	
Iron (sheet, bar, etc.)	6,240		936,000	
Steel (ingot, sheet, bar)	5,196		290,976	
Structural steel	6,460		374,680	
Wire (iron or steel)	543		81,450	
Other metals (sheet, bar, etc.)	200		40,000	
Pipe (wrought iron)	455		60,515	
Pipe (cast iron)	83		11,288	
Pipe (steel)	43		3,784	
Hardware	67		11,055	
All other	16,913		2,790,645	

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NEW YORK HARBOR, N. Y.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Machinery and vehicles		21,829		$6,532,603
Agricultural implements	87		$24,795	
Engines and machinery	19,893		5,967,900	
All other	1,849		539,908	
Chemicals		7,608		658,164
Drugs and chemicals	130		4,940	
Fertilizer (chemical)	3,880		116,400	
Alcohol and products	701		285,536	
All other	2,897		301,288	
Unclassified		26,658		8,158,862
General merchandise	22,409		6,722,700	
All other	4,249		1,436,162	
Total, exports		314,227		41,010,603
Total imports and exports		462,105		82,298,013

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Wood and paper			4,870		$146,534		
Shingles		163		$6,410		5,305.0	
Piles		3,611		91,900		852.0	
All other		1,096		48,224		276.0	
Nonmetallic minerals			68,965		101,176		
Gravel	30,914			63,125		46.7	
Sand	38,051			38,051		88.5	
Machinery and vehicles: Engines and machinery		1,500	1,500	450,000	450,000		
Total receipts	68,965	6,370	75,335		697,710		
SHIPMENTS, COASTWISE.							
Nonmetallic minerals			2,182,600		18,094,680		
Coal	2,146,993			16,102,447		125.4	
Ashes	1,026			(1)		22.0	
Gasoline		8,924		740,692		125.4	
Other petroleum products	25,657			1,251,541		125.4	
Total shipments, coastwise	2,173,676	8,924	2,182,600		18,094,680		
Total receipts and shipments, coastwise	2,242,641	15,294	2,257,935		18,792,390		
RECEIPTS, INTERNAL.							
Wood and paper			4,070		105,047		
Lumber and timber (sawed)	556			16,789		133.0	
Piles and logs	2,128			85,120		324.0	
All others		1,386		3,138		192.0	
Total receipts, internal	2,684	1,386	4,070		105,047		

[1] No value.

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NEW YORK HARBOR, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTERNAL—contd.						*Miles.*	*cents.*
Nonmetallic minerals			154,847		$1,489,227		
Coal	115,948			$1,000,631		153.0	0.67
Petroleum products	38,899			488,596		110.0	
Total shipments, internal	154,847		154,847		1,489,227		
Total receipts and shipments, internal	157,531	1,386	158,917		1,594,274		
RECEIPTS, INTRAPORT.							
Animals and animal products			28,939		328,041		
Hides		20		2,400		9.0	13.3
Manure	28,288			44,215		9.0	6.4
All other		631		281,426		7.5	
Vegetable food products			37,246		5,157,795		
Flour		7,309		560,328		6.0	
Grain		21,008		2,786,000		13.2	5.5
Sugar (refined)		6,017		1,099,987		15.8	5.5
All other		2,912		711,480		7.5	
Other vegetable products			4,502		1,307,680		
Turpentine		40		5,452		9.0	
Rubber goods		3,554		1,066,200		8.0	
All other		908		236,028		5.5	
Textiles			2,435		374,140		
Cotton (raw)		75		22,500		9.0	15.6
Rope		1,387		208,050		9.0	
All other		973		143,590		10.8	25.6
Wood and paper			4,729		274,149		
Lumber and timber		1,380		30,240		6.8	
All other		3,349		243,909		7.1	
Nonmetallic minerals			535,293		7,342,807		
Building stone		12		1,200		9.0	11.1
Cement		400		6,000		10.4	
Paving blocks (asphalt)		24,792		271,858		26.5	
Clay		8,100		536,950		9.0	
Coal	35,148			266,421		8.3	
Lubricating oil		267,724		1,675,826		6.9	
Gasoline		65,390		543,895		7.0	
Kerosene		4,556		256,500		7.8	
Other petroleum products		128,366		3,713,261		8.4	
Chalk and whiting		6		360		9.0	
All other		799		70,536		6.0	
Ores, metals, and manufactures			11,172		1,680,583		
Copper (sheet, bar, wire)		656		196,800		11.0	
Copper (ingot)		3,050		793,000		9.2	
Copper manufactures		145		46,400		9.0	
Cast-iron manufactures		43		17,200		9.0	
Steel manufactures		41		16,560		9.0	
Structural steel		4,208		244,064		8.0	
Lead (sheet bar ingot)		54		4,328		9.0	
Pipe (wrought iron)		53		7,049		8.0	
Pipe (steel)		1,198		105,424		8.0	
All other		1,724		249,758		9.0	
Machinery and vehicles			1,278		452,600		
Engines and machinery		1,242		353,600		10.7	
All other		36		99,000		18.0	
Chemicals			3,004		439,602		
Fertilizer (chemical)		133		14,597		10.5	8.8
All other		2,871		425,005		9.1	8.3
Unclassified			47,354		14,217,866		
General merchandise		47,047		14,114,100		7.6	
All other		307		103,766		5.5	
Total receipts, intraport	63,436	612,516	675,952		31,575,263		
SHIPMENTS, INTRAPORT.							
Animals and animal products:							
Hides		984	984	246,000	246,000	9.0	
Vegetable food products			13,648		1,730,773		
Fruit		1,275		127,500		9.0	
Flour		11		1,140		7.3	
Sugar		9,317		931,700		7.3	
All other		3,045		670,433		7.8	

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NEW YORK HARBOR, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTRAPORT—contd.							
Other vegetable products:						*Miles.*	*Cents.*
Rubber (substitute)		716	716	$526,997	$526,997	10.5	
Textiles			9,754		4,267,098		
Cotton (raw)		1,292		387,600		8.2	15.6
All other		8,462		3,879,498		8.9	
Wood and paper			5,764		296,761		
Lumber and timber		495		84,100		13.5	
Lath		19		1,074		3.0	
Piles or logs		3,906		180,183		10.9	
Wood pulp		958		67,060		7.3	
All other		386		14,344		9.0	
Nonmetallic minerals			6,989,158		78,877,346		
Asphalt		38		765		9.0	
Building stone		2,330		53,000		19.3	6.5
Clay		3,005		2,178		9.0	
Coal	6,499,170			49,263,708		12.6	3.7
Ashes	227			34		6.0	
Lubricating oil		91,508		11,361,211		9.0	
Gasoline		104,922		8,743,581		9.4	
Other petroleum products		266,494		8,655,283		8.4	
Chalk and whiting		7,910		69,320		12.7	3.7
All other		13,559		728,256		7.1	
Ores, metals and manufactures			58,076		3,170,109		
Copper (ingot)		112		26,928		9.0	15.6
Iron (pig and scrap)		1,553		47,120		13.6	
Iron (sheet, bar, etc.)		428		64,200		3.5	
Steel (ingot, sheet, bar)		5,700		150,000		14.2	6.5
Steel manufactures		7,710		275,500		10.0	8.9
Structural steel		18,945		607,280		11.4	8.9
Wire (iron or steel)		1,760		100,000		6.3	8.9
Lead (sheet, bar, ingot)		2,450		500,000		9.0	8.9
Other metal manufactures		535		160,500		3.5	
Pipe (wrought-iron)		72		2,800		16.1	
Pipe (cast-iron)		1,450		8,500		9.0	
All other		17,361		1,232,261		8.8	8.9
Machinery and vehicles			2,144		445,356		
Agricultural implements		440		45,000		9.0	8.9
Engines and machinery		1,704		400,356		8.7	
Chemicals			2,948		261,974		
Fertilizer (chemical)		627		18,810		14.0	
All other		2,316		243,164		7.0	
Unclassified			21,891		6,424,710		
General merchandise		21,196		6,358,800		9.8	
All other		195		65,910		9.0	
Total shipments, intraport	6,499,397	605,181	7,104,578		96,247,124		
Total receipts and shipments, intraport	6,562,833	1,217,607	7,780,530		127,822,387		
LOCAL.							
Animals and animal products:							
Dried milk		64	64	28,544	28,544	1.5	
Vegetable food products			1,313		321,685		
Coconuts		1,223		299,635		1.5	
Coffee		90		22,050		1.5	
Other vegetable products:							
Starch		78	78	33,384	33,384	1.5	
Nonmetallic minerals			23,760		271,851		
Coal	7,366			74,836		6.3	10.3
Ashes	239			36		2.0	
Lubricating oil		1,707		62,271		6.3	
Other petroleum products	13,554			129,016		5.1	
Wax		894		5,692		6.3	
Ores, metals and manufactures: Grinders		48	48	1,000	1,000	1.4	
Machinery and vehicles: Machinery		81	81	10,369	10,369	1.1	
Total local	21,159	4,185	25,344		666,833		

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NEW YORK HARBOR, N. Y.—continued.

CARGOES IN TRANSIT.

Classes and commodities.	Amount in short tons.	Value.
Animals and animal products:		
Horses	221	$175,500
Cattle	8	5,600
Hogs	5	705
Fish	11,205	1,743,165
Oysters and clams	8,666	214,933
Hides	40,007	9,245,090
Leather	1,020	308,000
Leather goods	1,225	1,543,460
Manure	13,478	21,239
All other	293,970	94,599,978
Vegetable food products:		
Fruits	43,735	4,210,586
Vegetables	33,131	4,188,098
Flour	417,571	36,2 7,441
Grain	1,170,127	55,023,253
Hay	4,961	100,720
Straw	4,782	96,640
Sugar	1,188,570	103,712,095
Beer and ale	11	440
Wine	2,561	4,345,971
All other	1,393,910	286,826,227
Other vegetable products:		
Rubber goods	18,415	5,357,623
Turpentine	22,192	3,100,020
Dyewoods	8,888	267,307
Tobacco	38,951	45,500,890
All other	125,009	28,814,609
Textiles:		
Dry goods	88,830	62,183,409
Clothing	4,786	7,753,320
Cotton goods	37,328	31,826,044
Cotton (raw)	133,547	44,428,000
Wool (raw)	19,914	6,477,900
Rope	11,059	2,678,501
All other	136,690	78,144,893
Wood and paper:		
Paving blocks (wood)	1,875	45,000
Lumber and timber	410,278	9,577,026
Shingles	51,615	3,368,815
Laths	28,021	5,903,033
Piles or logs	110,109	4,901,200
Ties	128,991	1,152,751
Cordwood	8,148	56,777
Wood pulp	30,819	1,234,630
All other	121,501	5,666,489
Nonmetallic minerals:		
Asphalt	157,011	2,530,865
Brick (building)	325,373	2,765,208
Marble	20,650	4,023,500
Building stone	72,723	1,039,176
Cement	303,021	4,450,041
Gravel	92,665	131,451
Sand	826,011	788,062
Crushed stone	732,870	1,033,923
Riprap	6,581	9,864
Paving blocks (asphalt)	48,329	356,040
Paving blocks (stone)	21,470	131,826
Nonmetallic minerals—Continued.		
Coal	13,599,006	$108,596,226
Ashes	1,052,554	161,121
Cellar dirt	359,282	.....
Lubricating oil	405,964	26,656,062
Gasoline	1,017,153	89,477,297
Kerosene	563,559	31,396,722
Other petroleum products	8,572,654	181,277,612
Sulphur	105,758	2,277,336
All other	1,265,507	25,082,929
Ores, metals, and manufactures:		
Copper ore	123,585	12,301,910
Copper (sheet bar wire)	36,604	10,793,910
Copper (ingot)	195,523	54,393,099
Copper manufactures	9,962	3,185,751
Iron ore	2,177	8,708
Iron (pig and scrap)	50,146	1,284,770
Iron (sheet bar, etc.)	49,443	1,994,610
Iron oxide	4,516	79,734
Iron (mine tailings)	32,671	49,007
Cast iron manufactures	3,407	534,163
Steel (ingot sheet, etc.)	201,347	10,885,751
Steel manufactures	100,513	5,148,289
Structural steel	105,977	4,767,186
Wire (iron or steel)	21,208	1,971,450
Lead manufactures	20,899	3,541,843
Pipe (wrought iron)	18,893	948,717
Pipe (cast iron)	17,982	2,123,014
Pipe (steel)	14,224	1,249,796
Hardware	33,649	7,491,316
All other	641,157	116,768,530
Machinery and vehicles:		
Agricultural implements	32,563	9,280,455
Engines and machinery	87,983	27,953,035
All other	10,125	3,420,379
Chemicals:		
Drugs and chemicals	87,781	5,534,378
Coal tar	15,276	183,212
Fertilizer (chemical)	163,643	4,849,773
Alcohol and products	12,899	1,676,146
All other	344,212	43,891,005
Unclassified:		
Ice	24,362	73,086
Pianos	741	585,239
General merchandise	5,765,597	1,703,262,198
Garbage	113,088	53
All other	19,073	6,461,164
Total	44,075,517	3,479,921,316

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NEW YORK HARBOR, N.Y.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Other domestic.		Tons.	Value.
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.		
Animals and animal products	5,368	$2,294,252	994	$424,010			29,987	$602,585	36,349	$3,320,847
Vegetable food products	44,012	10,203,306	110,049	10,507,665			52,207	7,210,253	206,268	27,921,224
Other vegetable products	24,735	12,033,548	15,316	4,726,970			5,296	1,868,061	45,347	18,628,579
Textiles	16,765	9,511,550	5,374	2,501,937			12,189	4,641,238	34,328	16,654,725
Wood and paper	4,295	215,689	1,684	74,096	4,870	$146,534	14,563	675,957	25,412	1,112,276
Nonmetallic minerals	22,701	260,578	87,735	2,623,103	2,251,565	18,195,856	7,703,058	87,981,231	10,065,059	109,060,768
Ores, metals, and manufactures of	3,875	1,582,925	36,980	4,803,193			69,296	4,851,692	110,151	11,237,810
Machinery and vehicles	68	19,856	21,829	6,532,603	1,500	450,000	3,503	908,325	26,900	7,910,784
Chemicals	9,462	466,048	7,608	658,164			5,947	701,576	23,017	1,825,788
Unclassified	16,597	4,699,658	26,658	8,158,862			68,745	20,642,576	112,000	33,501,096
Total	147,878	41,287,410	314,227	41,010,603	2,257,935	18,792,390	7,964,791	130,083,494	10,684,831	231,173,897

	Short tons.	Value.
Car ferry	6,705,919	$2,011,775,700
Cargoes in transit	44,075,517	3,479,921,316

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NEW YORK HARBOR, N. Y.—continued.

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Steamers	1,345	611	15,329	15,329	53	23,622	3	38
Sailing vessels	153	57	499	499	40	1,200	3	16
Canal boats, lighters, barges, etc.	8,954	.....	96,784	96,784	50	3,500	3	24
Ferryboats	15	.....	45,932	45,932	586	1,329	9	18
Car floats	185	.....	27,362	27,362	1,200	3,000	6	11
Miscellaneous craft	162	.....	1,548	1,548	10	1,050	2	15
Unregistered canal boats, lighters, barges, etc	655	.....	6,094	6,094	100	750	3	10

Passengers carried, 26,772,217.

CONEY ISLAND CHANNEL, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers carried.	Year.	Tons.	Value.	Passengers carried.
1912	425,551	$5,150,212	1,034,222	1917	256,011	$8,171,231	123,248
1913	816,132	5,345,878	1,243,398	1918	168,550	6,204,397	97,785
1914	768,550	5,256,680	1,178,868	1919	181,925	6,191,367	1,155,964
1915	750,867	7,049,795	893,459	1920	152,510	10,115,098	1,139,451
1916	736,775	9,887,021	870,318	1921	191,566	3,337,466	1,176,468

CARGOES IN TRANSIT.

Classes and commodities.	Amount in short tons.	Value.	Classes and commodities.	Amount in short tons.	Value.
Animals and animal products:			Ores, metals, and manufactures:		
Oysters and clams	324	$11,250	Iron (sheet, bar, etc.)	960	$5,760
All other	9,051	109,988	Steel manufactures	5,012	26,150
Wood and paper:			Lead (sheet, bar, ingot)	500	80,000
Lumber and timber (sawed)	9,557	283,738	Lead manufactures	300	48,000
Shingles	163	7,250	Pipe (steel)	157	6,900
Piles or logs	433	9,539	All other	7,597	1,382,410
Nonmetallic minerals:			Machinery and vehicles:		
Brick (building)	4,326	32,885	Engines and machinery	427	130,000
Cement	2,109	27,217	Unclassified:		
Gravel	2,968	5,032	General merchandise	600	180,000
Sand	14,471	14,939	Garbage	288	53
Crushed stone	16,035	26,551	All other	200	58,000
Paving blocks (stone)	960	6,000			
Coal	53,257	513,472	Total	191,566	3,337,466
Coke	798	6,655			
Ashes	7,422	1,317			
Petroleum products	6,679	137,509			
All other	46,972	226,851			

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Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers	9	1,847	1,847	76	993	7	9
Sailing vessels	11	51	51	47	151	3	8
Towboats	10	214	214	22	122	6	12
Canal boats, lighters, barges, etc	95	315	315	155	1,000	3	12
Miscellaneous craft	12	53	53	500	700	4	10

Passengers carried to and from Coney Island	1,032,047
Passengers carried to and from Rockaway Beach	144,421
Total	1,176,468

BAY RIDGE AND RED HOOK CHANNEL, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers carried.	Year.	Tons.	Value.	Passengers carried.
1899	3,294,825	$106,324,148	(1)	1914	8,169,186	(1)	(1)
1902	5,200,000	165,000,000	(1)	1915	10,416,118	$484,022,000	(1)
1904	2,000,000	75,000,000	(1)	1916	11,181,206	564,200,000	(1)
1905	1,740,000	84,005,000	(1)	1917 (estimated)[2]	12,000,000	650,000,000	(1)
1907	4,204,000	162,000,000	(1)	1919[3]	6,566,312	697,305,583	1,045,308
1908	4,287,900	221,488,000	(1)	1920[4]	5,263,182	890,229,115	2,282,831
1911	4,502,000	232,562,000	(1)	1921[4]	5,145,038	801,601,893	1,896,579
1912	5,384,285	(1)	(1)				
1913	6,651,469	(1)	(1)				

[1] No statistics available.
[2] War conditions made it difficult to get accurate data for 1917.
[3] Reduction in tonnage, due to stoppage of commerce incident to the war and unstable transportation conditions.
[4] Exclusive of following additional traffic:

Year.	Car ferry to and from Greenville, N. J. (not included in previous years).		Cargoes in transit.	
	Tons.	Value.	Tons.	Value.
1920	5,087,793	$1,526,515,900	2,071,157	$24,758,285
1921	5,814,207	1,744,262,100	2,815,613	129,791,901

Statistics for 1918 were not collected.

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BAY RIDGE AND RED HOOK CHANNEL, N. Y.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products		25,408		$7,683,158
Fish	1,310		$208,280	
Hides	14,700		3,326,250	
Leather goods	10		1,580	
All other	9,388		4,147,038	
Vegetable food products		161,668		49,671,770
Fruits	264		17,605	
Vegetables	58		57,975	
Flour	586		47,840	
Grain	259		12,417	
Sugar	26,802		2,396,200	
Wine	91		155,078	
All other	133,608		46,984,655	
Other vegetable products		73,961		22,549,383
Rubber goods	47,625		14,287,500	
Turpentine	22		3,005	
Dyewoods	1,085		72,800	
Tobacco	1,638		1,894,250	
All other	23,591		6,291,828	
Textiles		14,532		9,241,673
Dry goods	1,718		1,202,600	
Cotton goods	5,731		4,487,373	
Cotton (raw)	697		182,100	
Wool (raw)	2,351		822,850	
Rope	152		22,800	
All other	3,883		2,523,950	
Wood and paper		105,306		2,490,557
Lumber and timber	11,644		234,678	
Lath	971		97,100	
Piles or logs	8,516		425,140	
Wood pulp	27,697		926,443	
All other	18,081		795,564	
Nonmetallic minerals		54,595		5,663,385
Marble	14,043		661,650	
Glassware	164		9,840	
Clay	307		46,050	
Sulphur	35,914		4,800,000	
All other	4,167		145,845	
Ores, metals, and manufactures		68,121		6,936,797
Aluminum (sheet, bar, etc.)	779		311,600	
Aluminum manufactures	299		179,400	
Copper ore	7,182		718,200	
Copper (sheet, bar, etc.)	1,100		330,000	
Copper (ingots)	6,396		1,241,760	
Copper manufactures	60		19,200	
Iron ore	186		744	
Lead (sheet, bar, ingot)	56		7,952	
Other metals (sheet, bar, etc.)	3,839		767,800	
All other	48,224		3,360,141	
IMPORTS.				
Machinery and vehicles		1,000		293,600
Engines and machinery	200		60,000	
All other	800		233,600	
Chemicals		40,457		1,309,648
Drugs and chemicals	25,042		1,039,230	
Fertilizer (chemical)	5,487		164,610	
All other	9,928		105,808	
Unclassified: General merchandise	270,337	270,337	61,281,400	61,281,400
Total imports		815,385		167,121,371
EXPORTS.				
Animals and animal products		7,376		2,786,670
Cattle	82		56,840	
Fish	2,554		406,086	
Hides	824		206,000	
Leather	149		44,700	
Leather goods	483		608,580	
All other	3,284		1,464,464	
Vegetable food products		399,365		40,116,393
Fruits	60		4,000	
Vegetables	300		30,000	
Flour	95,398		7,379,540	
Grain	19,164		9,198,948	

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BAY RIDGE AND RED HOOK CHANNEL, N. Y.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Vegetable food products—Continued.				
Sugar	27,213		$2,721,300	
All other	84,749		20,782,605	
Other vegetable products		29,901		$30,779,502
Rubber goods	1,753		525,960	
Turpentine	814		112,380	
Dyewoods	176		5,280	
Tobacco	17,744		26,116,780	
All other	9,414		4,029,192	
Textiles		24,291		16,296,032
Dry goods	9,561		6,692,700	
Clothing	681		1,103,220	
Cotton goods	7,714		6,040,062	
Cotton (raw)	3,452		1,035,600	
Rope	901		135,150	
All other	1,982		1,288,300	
Wood and paper		17,387		2,813,944
Lumber and timber	12,451		2,601,920	
Piles or logs	90		4,500	
Ties	190		2,660	
All other	4,656	204,864		
Nonmetallic minerals		290,446		19,325,729
Asphalt	1,277		11,493	
Brick (fire)	1,971		28,079	
Marble	50		2,500	
Cement	3,098		46,476	
Lime	18		640	
Coal	16,599		125,978	
Sewer pipe	50		1,000	
Glassware	2,029		121,740	
Coke	536		4,020	
Molding sand	224		2,677	
Lubricating oil	25,373		2,395,064	
Gasoline	79,822		6,650,041	
Kerosene	49,864		2,807,042	
Petroleum products	64,615		5,640,734	
Sulphur	5,597		111,940	
All other	39,323		1,376,305	
Ores, metals and manufactures		289,094		38,697,783
Copper ore	11,120		2,608,500	
Copper (sheet, bar, wire)	7,352		1,950,888	
Copper manufactures	193		239,625	
Copper (ingot)	7,007		1,821,820	
Iron ore	1,747		66,118	
Iron (pig and scrap)	677		16,925	
Cast-iron manufactures	4,695		1,042,290	
Steel (ingot, sheet, bar)	71,205		3,987,480	
Steel manufactures	6,651		364,003	
Structural steel	19,562		1,277,224	
Wire (iron or steel)	9,463		1,419,450	
Lead (sheet, bar, ingot)	5,841		829,422	
Other metals (sheet, bar)	6,960		1,392,000	
Other metal manufactures	744		223,200	
Pipe (wrought iron)	14,220		1,905,594	
Pipe (cast iron)	1,947		264,792	
Pipe (steel)	12,673		1,157,781	
Iron (sheet, bar, etc.)	13,918		2,087,700	
Hardware	9,843		2,185,146	
All other	83,276		13,857,825	
Machinery and vehicles		58,748		17,265,191
Agricultural implements	13,740		3,915,900	
Engines and machinery	24,757		7,526,519	
All other	19,941		5,822,772	
Chemicals		32,582		3,311,960
Drugs and chemicals	2,351		89,338	
Coal tar	40		480	
Fertilizer (chemical)	5,260		157,800	
Alcohol and products	1,682		651,646	
All other	23,199		2,412,696	
Unclassified		402,997		141,589,698
Pianos	450		320,400	
General merchandise	397,376		139,521,500	
All other	5,171		1,747,798	
Total exports		1,552,137		312,981,902
Total imports and exports		2,367,522		480,103,273

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BAY RIDGE AND RED HOOK CHANNEL, N. Y.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Animals and animal products			24,167		$9,283,788		
Hides		7,895		$1,973,750		6,528.0	
Leather		374		112,200		6,528.0	0.3
Leather goods		95		119,700		6,528.0	
All other		15,803		7,078,138		6,528.0	
Vegetable food products			126,902		25,909,571		
Flour		105		8,616		6,528.0	
Hay		4,861		97,220		6,528.0	.2
Sugar		28,073		2,807,300		6,528.0	
All other		93,863		22,996,435		6,528.0	
Other vegetable products			3,982		2,811,910		
Rubber goods		955		286,500		6,528.0	.3
Tobacco		307		361,250		6,528.0	.6
All other		2,720		2,164,160		6,528.0	
Textiles			9,851		4,075,650		
Cotton goods		50		39,150		6,528.0	.3
Cotton (raw)		2,013		423,900		6,528.0	.2
Wool (raw		2,582		1,008,700		6,528.0	.4
Rope		1,560		234,000		6,528.0	
All other		3,646		2,369,900		6,528.0	
Wood and paper			94,945		2,126,662		
Lumber and timber	32,370			685,238		6,528.0	
Shingles		8,017		529,548		6,528.0	.2
Laths		2,209		22,090		6,528.0	
Ties		45,519		637,266		6,528.0	
All other		6,830		302,520		6,528.0	
Nonmetallic minerals			8,253		196,578		
Asphalt		200		1,800		6,528.0	.2
Building stone		2,425		29,100		219.0	
Gravel	1,278			2,241		48.5	.7
Sand	2,240			2,070		40.3	.9
Lubricating oil		1,988		159,049		6,528.0	18.4
Other petroleum products		122		2,318		6,528.0	27.6
Ores, metals and manufactures			21,914		5,466,906		
Copper (sheet, bar)		6,110		1,833,000		6,528.0	9.2
Copper (ingot)	3,350			871,000		6,528.0	
Copper (manufactures)		5,100		1,632,000		6,528.0	
Lead (sheet, bar)		3,718		527,956		6,528.0	9.2
Other metals		86		17,200		6,528.0	
All other		3,550		585,750		6,528.0	
Machinery and vehicles: Engines and machinery		2,423	2,423	726,900	726,900	6,528.0	
Chemicals			1,030		51,582		
Drugs and chemicals		597		38,592		6,528.0	
Fertilizer (chemical)		433		12,990		6,528.0	
Unclassified			10,604		3,193,560		
Pianos		30		21,360		6,528.0	
General merchandise		10,574		3,172,200		6,528.0	
Total receipts, coastwise	39,238	264,833	304,071		53,843,107		
SHIPMENTS, COASTWISE.							
Animals and animal products			3,608		2,732,488		
Leather goods		1,380		1,738,800		6,528.0	
All other		2,228		993,688		6,528.0	
Vegetable food products: Unclassified		8,937	8,937	2,189,565	2,189,565	6,528.0	
Other vegetable products			1,000		1,369,216		
Tobacco		878		1,317,000		6,528.0	61.3
All other		122		52,216		6,528.0	
Textiles			6,608		5,077,790		
Dry goods		1,400		980,000		6,528.0	
Clothing		1,150		1,863,000		6,528.0	
Cotton goods		730		571,590		6,528.0	
Rope		1,000		150,000		6,528.0	
All other		2,328		1,513,200		6,528.0	
Wood and paper: Unclassified		2,679	2,679	117,909	117,909	6,528.0	
Nonmetallic minerals			8,449		315,779		
Marble		620		31,000		6,528.0	
Cement		376		5,640		6,528.0	18.4
Sand	49			49		6,528.9	
Glassware		798		47,880		6,528.0	27.6
All other		6,605		231,210		6,528.0	

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BAY RIDGE AND RED HOOK CHANNEL, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, COASTWISE—contd.						*Miles.*	*Cents.*
Ores, metals, and manufactures			35,483		$5,100,980		
Aluminum (sheet, bar)		36		$14,400		6,528.0	64.3
Iron (pig and scrap)		2,060		51,500		6,528.0	
Iron (sheet, bar)		1,325		198,750		6,528.0	22.9
Steel manufactures		3,000		165,000		6,528.0	
Structural steel		2,300		133,400		6,528.0	
Wire (iron or steel)		1,980		297,000		6,528.0	
Pipe (wrought iron)		150		19,950		6,528.0	
Pipe (cast iron)		100		13,600		6,528.0	
Hardware		2,800		621,600		6,528.0	
All other		21,732		3,585,780		6,528.0	
Machinery and vehicles			3,046		888,942		
Agricultural implements		70		19,950		6,528.0	
All other		2,976		868,992		6,528.0	
Chemicals			11,035		930,776		
Drugs and chemicals		2,700		102,600		6,528.0	
Fertilizer (chemical)		616		25,400		67.9	
All other		7,719		802,776		6,528.0	
Unclassified			12,086		3,784,976		
Pianos		381		271,272		6,528.0	
General merchandise		11,647		3,494,100		6,528.0	
All other		58		19,604		6,528.0	
Total shipments, coastwise	49	92,882	92,931		22,508,421		
Total receipts and shipments, coastwise	39,287	357,715	397,002		76,351,528		
RECEIPTS, INTERNAL.							
Wood and paper: Lumber and timber (sawed)	1,170		1,170	78,000	78,000	148.0	
Nonmetallic minerals			61,210		232,349		
Brick (building)		24,000		180,000		102.0	1.47
Moulding sand	300			1,245		148.0	
Crushed stone	36,910			51,104		44.0	
Ores, metals, and manufactures: Steel (ingots, sheets, bar, etc)	500		500	38,000	38,000	88.0	4.55
Total receipts, internal	38,880	24,000	62,880		348,349		
SHIPMENTS, INTERNAL.							
Vegetable food products: Molasses		175	175	7,875	7,875	445.0	
Other vegetable products: Rosin	490		490	9,800	9,800	165.0	
Wood and paper: Wood pulp		711	711	37,330	37,330	192.0	.6
Nonmetallic minerals: Sulphur	29,760		29,760	595,200	595,200	294.0	
Total shipments, internal	30,250	886	31,136		650,205		
Total receipts and shipments, internal	69,130	24,886	94,016		998,554		
RECEIPTS, INTRAPORT.							
Animals and animal products			1,074		584,126		
Hides		68		17,000		5.5	
Leather		25		7,500		7.0	
Leather goods		150		189,000		5.5	
All other		831		370,626		7.0	
Vegetable food products			301,463		52,521,661		
Fruits		4,567		402,698		5.5	
Flour		135,660		10,957,636		5.5	
Grain		632		27,296		5.5	
Hay		150		3,000		5.5	
Sugar		126		12,600		20.0	
Wine		2,561		4,345,971		5.5	
All other		157,767		36,772,460		7.6	28.2
Other vegetable products			10,487		2,146,615		
Rubber goods		5,674		1,541,200		7.0	
Turpentine		1,311		175,316		5.5	
Tobacco		107		171,277		5.5	29.1
All other		3,395		258,822		6.5	20.0

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BAY RIDGE AND RED HOOK CHANNEL, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT—contd.						*Miles.*	*Cents.*
Textiles			23,524		$11,296,560		
Clothing		139		$8,140		5.5	
Cotton goods		5,542		4,307,700		7.0	
Cotton (raw)		10,149		3,278,200		7.0	
Rope		2,200		298,400		5.5	
All other		5,494		3,404,120		10.0	
Wood and paper			23,579		521,713		
Lumber and timber	14,960			216,618		4.5	20.0
Shingles		700		21,000		5.5	
Piles or logs		360		14,400		5.5	
Ties		1,277		17,287		23.7	
Cord wood		84		570		2.0	
Wood pulp		219		15,330		6.3	
All other		5,979		236,508		6.6	20.0
Nonmetallic minerals			996,854		30,553,697		
Asphalt		1,000		10,000		5.4	
Brick (fire)		735		12,495		5.5	
Building stone		63,000		945,000		14.2	
Cement		4,100		51,600		5.5	
Riprap		501		744		9.0	
Salt		745		13,140		5.5	
Glassware		100		6,000		5.5	
Coal	321,231			2,569,848		9.9	
Lubricating oil		111,121		4,613,178		7.2	
Gasoline		64,522		5,294,562		5.4	
Kerosene		60,670		3,415,523		5.5	
Other petroleum products	201,817	118,588		11,796,958		6.8	
Sulphur		1,682		33,640		4.1	
All other		47,042		1,791,009		7.2	
Ores, metals, and manufactures			218,609		18,299,303		
Slags	2,010			3,015		5.4	
Aluminum		48		19,200		7.0	
Copper (sheet, bar, etc.)		3,283		984,900		5.5	
Copper (ingot)		12,510		3,252,600		11.2	
Iron (pig and scrap)	100			2,500		14.2	
Iron (sheet, bar, etc.)		14,388		622,600		5.4	
Iron (mine tailings)	1,815			2,723		5.4	
Iron (sheet, bar, wire)		53,758		2,883,728		6.0	
Steel manufactures		271		52,931		5.5	
Structural steel		50,597		2,767,038		5.5	
Wire (iron or steel)		18,066		1,756,860		5.5	
Lead manufactures		2,341		397,970		5.5	
Other metal manufactures		535		160,500		5.5	
Pipe (wrought iron)		15,844		633,760		5.5	
Pipe (cast iron)		10,794		814,432		5.5	
Pipe (steel)		6,224		547,712		5.5	
Hardware		6,000		1,332,000		7.0	
All other		20,025		2,064,934		5.3	
Machinery and vehicles			36,640		9,697,820		
Agricultural implements		2,050		584,250		5.5	
Engines and machinery		31,668		7,968,346		6.5	
All other		2,922		1,145,224		5.5	
Chemicals			22,322		1,691,326		
Drugs and chemicals		15,245		579,310		13.4	
Fertilizer (chemical)		513		14,691		13.6	
Alcohol and products		1,366		622,096		16.4	
All other		5,198		475,229		6.0	
Unclassified			158,329		46,584,220		
Pianos		210		149,520		7.0	
General and miscellaneous		158,109		46,432,700		11.4	
All other		10		2,000		4.1	
Total receipts, intraport	541,933	1,250,948	1,792,881		173,897,041		
SHIPMENTS, INTRAPORT.							
Animal and animal products			14,814		3,485,635		
Fish		320		50,880		5.5	
Hides		13,001		2,956,850		2.8	
Leather goods		162		204,120		2.0	
All other		1,331		273,785		10.8	13.0

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BAY RIDGE AND RED HOOK CHANNEL, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTRAPORT—contd.						*Miles.*	*Cents.*
Vegetable food products			63,973		$11,081,149		
Fruits		965		$96,495		5.5	
Flour		138		13,900		19.3	
Grain		1,114		45,846		13.9	
Hay		153		3,060		19.3	
Straw		862		17,240		27.6	
Sugar		22,404		2,242,400		13.9	
All other		38,337		8,662,208		6.6	
Other vegetable products			12,164		3,348,138		
Rubber goods		5,541		1,662,300		6.5	
Turpentine		1		25		27.6	
Dyewoods		1,062		31,860		5.5	
Tobacco		1,907		1,220,200		27.6	
All other		3,653		433,753		5.6	20.0
Textiles			11,748		4,058,381		
Clothing		450		1,350,000		27.6	
Cotton (raw)		954		171,200		3.8	
Wool (raw)		2,449		365,150		6.0	
Rope		119		18,250		16.6	
All other		7,776		2,153,781		4.8	20.0
Wood and paper			16,048		463,646		
Lumber and timber	2,506			60,573		11.1	
Shingles		271		17,632		19.3	
Lath		1,700		16,460		14.3	
Piles or logs		4,779		43,000		25.7	
Cordwood		56		380		27.6	
Wood pulp		1,447		72,790		5.5	
All other		5,289		252,811		5.8	
Nonmetallic minerals			133,578		6,827,994		
Marble		24,309		4,212,115		10.9	
Cement		90		3,800		16.6	43.6
Lime		6		75		27.6	
Sewer pipe		3		60		27.6	
Salt		24		480		27.6	
Glassware		4		2,000		27.6	
Clay	241			14,460		3.8	
Ashes	28,970			4,347		11.0	
Lubricating oil		343		19,003		10.1	
Gasoline		6,517		114,916		16.5	
Kerosene		27		120		27.6	
Other petroleum products		18,047		1,304,731		17.6	
Chalk and whiting		2,254		73,276		9.0	
Sulphur		51,288		951,026		7.1	
All other		1,455		127,585		12.7	21.3
Ores, metals, and manufactures			130,595		15,120,812		
Copper ore	8,306			671,834		15.8	
Copper (sheet, bar, wire)		3,929		1,177,700		9.0	
Copper (ingot)		22,601		8,949,460		3.8	
Iron (pig and scrap)	41,200			948,000		7.0	
Iron oxide		45		855		7.0	
Steel (ingot, sheet, bar)		125		5,000		7.0	
Steel manufactures		25		500		7.0	
Wire (iron or steel)		18		3,750		7.0	
Other metals (sheet, bar, etc.)		375		75,000		5.5	
Pipe (wrought iron)		40		7,000		2.0	
Pipe (steel)		51		4,488		5.4	
Hardware		60		12,000		2.0	
All other		53,820		3,265,225		11.7	
Machinery and vehicles			813		205,250		
Agricultural implements		5		300		27.6	
Engines and machinery		808		204,950		8.0	
Chemicals			20,140		985,469		
Drugs and chemicals		1		20		27.6	
Fertilizer (chemical)		5,371		150,760		15.0	
All other		14,768		834,689		8.0	20.0
Unclassified			73,916		19,995,391		
Ice		250		1,250		27.6	
General and miscellaneous		73,590		19,926,729		9.7	
All other		76		67,412		7.0	24.0
Total shipments intraport	81,223	396,566	477,789		65,571,865		
Total receipts and shipments, intraport	623,156	1,647,514	2,270,670		239,468,906		

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BAY RIDGE AND RED HOOK CHANNEL, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
LOCAL.						*Miles.*	*Cents.*
Vegetable food products: Olives		294	294	$40,702	$40,702	2.1	10.0
Other vegetable products: Canned goods		55	55	6,380	6,380	1.0	14.0
Ores, metals, and manufactures: Ships' gear		14	14	7,500	7,500	2.8	
Machinery and vehicles: Engines and machinery		262	262	63,850	63,850	2.0	
Unclassified			15,203		4,561,200		
General merchandise		15,200		4,560,000		2.0	
Lifeboats		3		1,200		2.0	
Total local		15,828	15,828		4,679,632		

CARGOES IN TRANSIT.

Commodities.	Amount in short tons.	Value.
Animals and animal products:		
Hides	228	$11,400
Manure	25,091	37,636
Vegetable food products:		
Vegetables	1,313	187,500
Flour	9,800	800,000
Grain	24,409	1,557,102
Hay	2,000	40,000
Straw	2,000	40,000
Sugar	15,600	1,560,000
Wine	30	52,598
All other	1,081	244,178
Other vegetable products:		
Turpentine	15,846	2,185,660
Dyewoods	100	6,000
All other	4,029	1,686,297
Textiles:		
Dry goods	35,000	24,500,000
Clothing	5,000	8,100,000
Cotton goods	10,000	2,830,000
Cotton (raw)	89	26,700
Rope	17	2,550
All other	56	6,820
Wood and paper:		
Paving blocks (wood)	1,875	45,000
Lumber and timber	10,414	220,817
Laths	623	57,426
Cord wood	6,648	64,722
Wood pulp	381	26,670
All other	5,185	285,739
Nonmetallic minerals:		
Asphalt	9,267	226,009
Brick (building)	84,104	714,884
Brick (fire)	175	2,720
Building stone	11,434	137,208
Cement	67,873	848,120
Lime	2,806	97,600
Gravel	58,801	74,276
Sand	136,389	148,389
Crushed stone	145,895	180,250
Flagging	2,125	17,500
Paving blocks (stone)	871	13,068
Salt	22,177	228,444
Glassware	1,500	90,000
Clay	53	600
Coal	938,050	7,504,400
Coke	28,162	252,600
Ashes	114,603	36,407
Lubricating oil	4,903	182,629

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BAY RIDGE AND RED HOOK CHANNEL, N. Y.—continued.

CARGOES IN TRANSIT—Continued.

Commodities.	Amount in short tons.	Value.
Nonmetallic minerals—Continued.		
Gasoline	53,407	$3,541,204
Kerosene	1,559	54,010
Other petroleum products	167,633	3,196,325
All other	45,773	851,918
Ores, metals, and manufactures:		
Iron (sheet, bar, etc.)	30,000	4,425,000
Iron oxide	1,500	31,000
Structural steel	45,000	2,610,000
Pipe (cast iron)	60,000	8,160,000
Hardware	25,000	5,550,000
All other	13,923	3,207,443
Machinery and vehicles:		
Engines and machinery	11,586	3,375,000
All other	1,839	2,244,988
Chemicals:		
Drugs and chemicals	1,000	38,000
Coal tar	15,161	181,932
Fertilizer (chemical)	3,170	15,970
All other	1,327	377,192
Unclassified:		
Pianos	35	35,600
General merchandise	122,968	26,566,400
Garbage	408,729	No value.
Total	2,815,613	129,791,901

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BAY RIDGE AND RED HOOK CHANNEL, N. Y.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Totals.	
	Imports.		Exports.		Coastwise.		Other domestic.		Tons.	Value.
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.		
Animals and animal products	25,408	$7,683,158	7,376	$2,786,670	27,775	$12,016,276	15,888	$4,069,761	76,447	$26,555,865
Vegetable food products	161,668	49,671,770	399,365	40,116,393	135,839	28,099,136	365,905	63,651,387	1,062,777	181,538,686
Other vegetable products	73,961	22,549,383	29,901	30,779,502	4,982	4,181,126	23,196	5,510,933	132,040	63,020,944
Textiles	14,532	9,241,673	24,291	16,295,032	16,459	9,153,440	35,272	15,354,941	90,554	50,045,086
Wood and paper	105,306	2,490,557	17,387	2,813,944	97,624	2,244,571	41,508	1,100,689	261,825	8,649,761
Nonmetallic minerals	54,595	5,663,385	290,446	19,325,729	16,702	512,357	1,221,402	38,209,240	1,583,145	63,710,711
Ores, metals and manufactures	68,121	6,936,797	289,094	38,607,783	57,397	10,567,886	349,718	33,465,615	764,330	89,668,081
Machinery and vehicles	1,000	293,600	58,748	17,265,191	5,469	1,615,842	37,715	9,966,920	102,932	29,141,553
Chemicals	40,457	1,309,648	32,532	3,311,960	12,065	982,358	42,462	2,676,795	127,516	8,280,761
Unclassified	270,337	61,281,400	402,997	141,589,698	22,690	6,978,536	247,448	71,140,811	943,472	280,990,445
Total	815,385	167,121,371	1,552,137	312,981,902	397,002	76,351,528	2,380,514	245,147,092	5,145,038	801,601,893

	Short tons.	Value.
Car ferry	5,814,207	$1,744,262,160
Cargoes in transit	2,815,613	129,791,901

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Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Steamers	260	316	1,245	1,225	112	14,500	6	35
Towboats	150	.....	9,326	9,326	150	560	10	15
Sailing vessels	23	7	37	37	200	400	7	12
Canal boats, lighters, barges, etc	4,042	.....	9,891	9,891	100	1,200	3	18
Ferryboats	8	.....	25,570	25,570	586	1,059	8	18
Car floats	161	.....	10,392	10,392	1,200	3,000	6	11
Miscellaneous craft	68	.....	886	886	180	700	4	18

Passengers carried, 1,896,579.

The following vessels visited repair yards on this waterway:

Class.	Number of vessels.	
	American.	Foreign.
Steamers	720	210
Towboats	198	.....
Sailing vessels	4	1
Canal boats, lighters, barges, etc	171	.....

GOWANUS CREEK, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1895	266,299	(1)	1903	237,300	3,048,390
1896	220,748	(1)	1915	658,000	354,000
1897	215,352	$2,631,752	1919	1,607,261	18,802,541
1899	237,300	3,048,390	1920	1,550,732	21,248,128
1902	237,300	3,048,390	1921 [2]	2,839,689	96,215,400

[1] No statistics available.
[2] Exclusive of 397 tons, valued at $119,100, car ferry traffic.

Passengers carried, none.

[Navigation season, continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper	.....	2,428	.....	$99,426
Lumber and timber	1,800	.....	$42,000	.....
Lath	623	.....	57,426	.....
Nonmetallic minerals: Salt	1,192	1,192	14,304	14,304
Total imports	.....	3,615	.....	113,730

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GOWANUS CREEK, N. Y.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Vegetable food products		35,338		$2,822,500
Vegetables	1,875		$187,500	
Flour	9,800		800,000	
Grain	4,063		195,000	
Hay	2,000		40,000	
Straw	2,000		40,000	
Sugar	15,650		1,560,000	
Textiles		50,000		40,430,000
Dry goods	35,000		24,500,000	
Clothing	5,000		8,100,000	
Cotton goods	10,000		7,830,000	
Nonmetallic minerals		9,607		217,714
Cement	8,000		120,000	
Glassware	1,500		90,000	
Lubricating oil	38		3,040	
Gasoline	30		2,490	
Kerosene	39		2,184	
Ores, metals and manufactures		158,000		20,520,000
Iron (sheet, bar, etc.)	28,000		4,200,000	
Structural steel	45,000		2,610,000	
Pipe (cast iron)	60,000		8,160,000	
Hardware	25,000		5,550,000	
Machinery and vehicles: Engines and machinery	10,000	10,000	3,000,000	3,000,000
Chemicals		4,000		128,000
Drugs and chemicals	1,000		38,000	
Fertilizer (chemical)	3,000		90,000	
Unclassified: Pianos	50	50	35,600	35,600
Total exports		266,995		67,153,814
Total imports and exports		270,610		67,267,544

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Animals and animal products:							
Manure	2,375		2,375	$3,563	$3,563	53.3	
Other vegetable products:							
Rosin		1,542	1,542	659,976	659,976	1,936.0	
Wood and paper			5,074		48,648		
Lumber and timber	855			18,810		500.0	
Cordwood		4,219		29,838		345.0	1.7
Nonmetallic minerals			148,489		147,711		
Gravel	52,657			65,942		44.3	
Sand	95,832			81,769		44.3	
Total receipts, coastwise	151,719	5,761	157,480		859,898		
RECEIPTS, INTERNAL.							
Wood and paper: Lumber and timber (sawed)	282		282	7,806	7,806	269.0	.7
Nonmetallic minerals			281,454		1,516,590		
Brick		84,104		630,780		91.0	
Cement		27,810		319,610		146.0	
Crushed stone	145,895			180,250		45.0	.8
Flagging		2,925		178,750		105.0	
Salt		20,720		207,200		328.0	
Total receipts, internal	146,177	135,559	281,736		1,524,396		

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GOWANUS CREEK, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTERNAL.						*Miles.*	*Cents.*
Nonmetallic minerals: Drip oil		400	400	$4,000	$4,000	68.0	1.0
Total shipments, internal		400	400		4,000		
Total receipts and shipments, internal	146,177	135,959	282,136		1,528,396		
RECEIPTS, INTRAPORT.							
Animals and animal products:							
Hides		95	95	23,750	23,750	1.0	
Vegetable food products			21,134		1,580,157		
Grain		20,346		1,362,102		4.9	
Wine		31		52,598		4.9	
All other		757		165,457		4.0	37.9
Other vegetable products			155,488		2,953,488		
Turpentine		153,536		2,185,660		7.6	
Dyewoods		100		6,000		7.6	32.9
All other		1,852		761,828		7.6	18.4
Textiles			2,003		140,640		
Cotton (raw)		79		23,700		7.6	
Dry felt		1,909		114,540		8.7	17.2
All other		15		2,400		8.7	17.2
Wood and paper			16,960		374,275		
Paving blocks (wood)		1,875		45,000		4.9	
Lumber and timber		7,296		156,011		4.9	28.6
Lath		167		16,300		1.0	
Cordwood		5,142		34,884		9.0	
Wood pulp		109		7,630		3.0	
Hardwood logs		2,371		114,450		4.9	
Nonmetallic minerals			1,764,962		16,226,292		
Asphalt		9,267		226,009		20.4	
Brick (fire)		175		2,720		21.9	
Cement		30,664		427,510		5.6	
Lime		2,806		97,600		8.5	
Sand	35,351			36,576		23.4	
Salt		1,457		21,244		7.6	
Clay	53			600		5.3	
Coal	938,050			7,110,419		12.8	
Coke	28,162			252,600		15.5	3.4
Lubricating oil		3,470		127,821		7.9	
Gasoline		534,019		4,450,185		7.9	
Kerosene		1,520		52,110		10.8	
Other petroleum products		166,483		3,134,395		7.9	
All other		13,485		286,503		6.9	
Ores, metals, and manufactures			4,789		153,635		
Copper (sheet, bar, etc.)		10		2,000		3.0	
Iron (pig and scrap)	1,000			33,000		4.9	
Iron (sheet, bar, etc.)		2,000		60,000		4.9	
Iron (oxide)	1,500			31,000		11.7	
Steel (ingot, sheet, bar)		125		5,000		3.0	
Steel manufactures		25		500		3.0	
Pipe (wrought iron)		30		3,000		3.0	
Hardware		60		12,000		3.0	
All other		39		7,135		8.9	
Machinery and vehicles			1,085		398,044		
Engines and machinery		1,078		396,000		6.7	
Automobiles		7		2,044		4.9	
Chemicals			12,015		145,560		
Coal tar	12,000			1,560		14.7	
Paints		15		144,000		4.9	
Unclassified			1,202		48,500		
General and miscellaneous		1,200		36,000		9.8	
All other		2		12,500		7.0	
Total receipts, intraport	1,016,116	963,617	1,979,733		22,044,341		
SHIPMENTS, INTRAPORT.							
Animal and animal products			22,944		91,074		
Hides		228		57,000		4.9	
Manure	22,716			34,074		15.1	

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GOWANUS CREEK, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTRAPORT—contd.						*Miles.*	*Cents.*
Vegetable food products			1,504		$249,053		
Beans		747		$72,288		1.0	
All other		757		176,765		6.7	18.4
Other vegetable products			392		140,206		
China wood oil		302		104,693		7.6	
All other		90		35,513		6.0	20.0
Textiles			110		15,840		
Cotton (raw)		10		3,000		4.9	
Rope		17		2,550		4.9	
All other		83		10,290		6.5	19.9
Wood and paper			1,586		89,716		
Lumber and timber	300			6,000		5.0	
Wood pulp		381		26,670		4.9	
Paper		111		22,200		7.1	18.4
All other		794		34,846		7.1	18.4
Nonmetallic minerals			76,534		108,547		
Ashes	73,589			35,211		14.6	
Lubricating oil		1,464		54,271		5.7	
Other petroleum products	29			882		7.0	
All other		1,452		18,183		11.2	
Ores, metals, and manufactures			12,331		2,944,588		
Steel barrels		12,229		2,936,088		6.0	
All other		102		8,500		6.0	
Machinery and vehicles			969		299,000		
Engines and machinery		137		49,400		4.4	
Automobiles		832		249,600		4.9	
Chemicals			5,270		439,344		
Coal tar	3,161			37,932		14.7	4.8
Fertilizer (chemical)		797		25,780		7.6	13.2
Paints		604		302,000		6.7	13.4
All other		708		73,632		9.0	
Unclassified			78		71,088		
General and miscellaneous		22		6,600		4.9	
Human hair		22		29,744		7.6	
All other		34		34,744		7.6	
Total shipments, intraport	99,795	21,923	121,718		4,443,456		
Total receipts and shipments, intraport	1,115,911	985,540	2,101,458		26,492,797		
LOCAL.							
Animals and animal products:							
Manure	24,900		24,900	59,800	59,800	1.0	
Nonmetallic minerals: Ashes	3,095		3,095	465	465	1.0	
Ores, metals and manufactures:							
Ships gear		17	17	6,500	6,500	.2	
Total local	27,995	17	28,012		66,765		

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GOWANUS CREEK N. Y.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products					2,375	$8,563	47,939	$174,624	50,314	$178,187
Vegetable food products			35,338	$2,822,500			22,638	1,829,210	57,976	4,651,710
Other vegetable products					1,542	659,976	155,880	3,093,694	157,422	3,753,670
Textiles			50,000	40,430,000			2,113	156,480	52,113	40,586,480
Wood and paper	2,423	$99,426			5,074	48,648	18,828	471,797	26,325	619,871
Nonmetallic minerals	1,192	14,304	9,607	217,714	148,489	147,711	2,126,445	17,855,894	2,285,733	18,235,623
Ores, metals, and manufactures			158,000	20,520,000			17,137	3,104,723	175,137	23,624,723
Machinery and vehicles			10,000	3,000,000			2,054	697,044	12,054	3,697,044
Chemicals			4,000	128,000			17,285	584,904	21,285	712,904
Unclassified			50	35,600			1,280	119,588	1,330	155,188
Total	3,615	113,730	266,995	67,153,814	157,480	859,898	2,411,599	28,087,958	2,839,689	96,215,400

	Short tons.	Value.
Car ferry	397	$119,100

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GOWANUS CREEK, N. Y.—continued.

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Steamers	41	37	99	99	310	3,300	6	21
Towboats	150	.....	1,241	1,241	35	271	4	15
Sailing vessels	12	.....	17	17	205	295	9	12
Canal boats, lighters, barges, etc.	1,790	.....	3,846	3,846	100	1,200	3	16
Car floats	2	.....	2	2	1,200	1,600	6	7
Miscellaneous craft	34	.....	55	55	180	700	4	15

Passengers carried, none.

VESSELS BUILT AND LAUNCHED.

Class.	Number.	Tonnage.	Value.
Barge canal boats	3	60,000	$39,000
Deck barges	3	3,000	90,000
Oil barges	3	3,000	96,000

The following vessels visited the repair yard on this waterway:

Class.	Number of vessels.	
	American.	Foreign.
Steamers	111	32
Towboats	154	.....
Sailing vessels	2	.....
Canal boats	258	.....

EAST RIVER, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1914 [1]	55,218,678	$2,156,096,181	22,436,151	1918 [1]	59,531,457	$4,447,041,016	20,172,494
1915 [1]	74,178,177	4,192,206,408	23,610,934	1919 [1]	53,414,753	4,099,494,175	35,622,401
1916 [1]	70,128,715	3,878,101,893	38,470,774	1920 [2]	30,710,144	1,959,290,999	36,141,379
1917 [1]	65,176,983	2,918,722,316	39,956,330	1921 [2]	32,071,134	1,881,199,647	37,504,827

[1] Includes car ferry traffic and cargoes in transit, impracticable to separate.
[2] Exclusive of following additional traffic:

Year.	Car ferry.		Cargoes in transit.	
	Tons.	Value.	Tons.	Value.
1920	9,262,859	$2,778,857,700	16,785,860	$988,454,778
1921	8,693,377	2,608,013,100	18,767,647	897,680,983

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EAST RIVER, N. Y.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products		40,284		$5,562,285
Fish	20,906		$3,344,054	
Hides	9,897		1,191,240	
All other	9,481		1,026,991	
Vegetable food products		861,981		81,048,068
Fruit	21,604		2,132,205	
Vegetables	29,355		2,235,500	
Sugar	474,191		33,710,750	
All other	336,831		42,969,613	
Other vegetable products		7,331		2,248,205
Rubber goods	1,851		555,300	
Dyewoods	1,645		67,017	
Tobacco	100		125,000	
All other	3,735		1,500,888	
Textiles: Rope	70	70	10,500	10,500
Wood and paper		87,425		2,343,549
Lumber and timber	14,094		321,264	
Lath	2,695		253,853	
Piles or logs	8,800		352,000	
Ties	23,750		375,000	
Wood pulp	10,336		217,056	
All other	27,750		824,376	
Nonmetallic minerals		138,951		4,883,764
Asphalt	2,500		22,500	
Salt	30,000		360,000	
Petroleum products	102,480		4,407,279	
Sulphur	3,000		60,000	
All other	971		33,985	
Ores, metals, and manufactures		15,357		2,032,805
Copper ore	12,000		1,200,000	
Copper (sheet, bar)	800		240,000	
Copper (ingot)	2,340		592,400	
Iron (mine tailings)	217		405	
Machinery and vehicles: Engines and machinery	70	70	21,000	21,000
Chemicals		62,299		1,973,096
Drugs and chemicals	1,000		38,000	
Fertilizer (chemical)	60,000		1,800,000	
All other	1,299		135,096	
Unclassified: General merchandise	117,216	117,216	34,678,576	34,678,576
Total imports		1,330,984		134,801,848
EXPORTS.				
Animals and animal products		11,832		1,918,995
Cattle	8		5,600	
Hogs	4		600	
Fish	500		83,600	
Oysters and clams	9		555	
Hides	47		10,750	
Leather	210		63,000	
All other	11,054		1,754,890	
Vegetable food products		295,052		28,406,502
Fruits	5,127		512,685	
Vegetables	11,828		1,182,750	
Flour	153,932		12,341,834	
Grain	49,978		2,405,438	
Hay	4,760		95,200	
Straw	1,500		30,000	
Sugar	20,333		2,033,300	
Beer and wine	6		240	
All other	47,588		9,805,055	
Other vegetable products		9,795		2,776,170
Rubber goods	400		120,000	
Turpentine	1,244		210,724	
Dyewood	3		90	
Tobacco	471		691,250	
All other	7,675		1,754,106	

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EAST RIVER, N. Y.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Textiles		80,659		$58,159,070
Dry goods	61,972		$43,075,400	
Clothing	3,820		6,188,400	
Cotton goods	10,140		7,939,620	
Cotton (raw)	1,334		400,200	
Rope	3,300		495,000	
All other	93		60,450	
Wood and paper		51,317		2,711,734
Lumber and timber	23,406		515,771	
Shingles	16,250		1,055,000	
Lath	11,325		1,126,179	
All other	336		14,784	
Nonmetallic minerals		225,722		6,449,208
Brick (building)	10		600	
Brick (fire)	31,500		340,000	
Cement	154,469		4,422,800	
Lime	386		13,472	
Sewer pipe	10,680		213,600	
Salt	690		8,560	
Glassware	7,420		446,000	
Coal	6,714		51,571	
Coke	504		8,568	
Lubricating oil	3,932		344,261	
Gasoline	4,967		417,686	
Kerosene	2,580		142,947	
Other petroleum products	38		700	
Chalk and whiting	1,080		13,380	
Sulphur	65		1,300	
All other	687		23,763	
Ores, metals and manufactures		145,426		15,020,415
Aluminum manufactures	50		30,000	
Copper (sheet, bar, etc.)	4,774		1,432,200	
Copper manufactures	100		30,000	
Iron (sheet, bar, etc.)	25,980		3,897,000	
Cast iron manufactures	1,100		244,200	
Steel (ingot, sheet, bar)	2,577		144,312	
Steel manufactures	52,794		3,320,170	
Structural steel	33,600		1,953,000	
Wire or steel	1,289		325,850	
Lead (sheet, bar, ingot)	500		71,000	
Lead manufactures	20		3,400	
Pipe (wrought iron)	1,800		239,400	
Pipe (cast iron)	4,062		546,672	
Pipe steel	7,826		808,688	
Hardware	8,729		1,937,398	
All other	225		37,125	
Machinery and vehicles		20,675		6,174,559
Agricultural implements	2,453		709,111	
Engines and machinery	18,078		5,423,400	
All other	144		42,048	
Chemicals		22,415		2,651,738
Drugs and chemicals	14,101		676,338	
Coal tar	150		1,600	
Fertilizer (chemical)	2,000		60,000	
Alcohol and products	2,154		1,493,306	
All other	4,008		420,494	
Unclassified		409,184		114,983,801
Pianos	285		202,967	
General merchandise	408,531		114,656,450	
All other	368		124,384	
Total exports		1,272,077		239,252,192
Total imports and exports		2,603,061		374,054,040

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EAST RIVER, N. Y.—continued.

DOMESTIC.

	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Animals and animal products			4,669		$453,544		
Fish		2,786		$340,624		209.0	5.1
Oysters and clams		1,883		112,920		117.0	
Vegetable food products			604		20,078		
Fruit		42		4,200		160.0	6.0
Vegetables		562		15,878		139.0	6.0
Other vegetable products			1,902		1,484,227		
Turpentine		22		2,897		185.1	4.3
Dyewoods		411		12,330		185.1	6.3
Tobacco		1,469		1,469,000		160.0	8.1
Textiles			12,757		9,432,092		
Dry goods		1,438		1,006,600		136.0	5.5
Cotton goods		5,674		4,834,242		108.0	
All other		5,645		3,591,250		86.0	11.6
Wood and paper			80,125		2,072,640		
Lumber and timber	61,587			1,343,589		465.0	
Shingles		1,300		60,000		430.0	
Lath		3,723		97,288		430.0	
Cord wood		627		4,700		390.0	.7
All other		12,888		567,072		108.0	
Nonmetallic minerals			527,752		1,598,279		
Lime		741		24,735		233.0	.9
Gravel	84,856			142,461		37.9	
Sand	349,671			366,174		37.9	
Paving block (stone)	67,488			603,005		430.0	.3
Clay		1,010		30,905		35.0	
Lubricating oil		218		17,440		185.1	4.3
Other petroleum products	22,306			369,067		834.0	.8
Chalk and whiting		1,462		44,492		35.0	6.8
Ores, metals and manufactures			17,086		2,852,221		
Copper manufactures		55		17,600		64.6	11.5
Cast iron manufactures		2,122		471,084		137.0	5.5
Steel (ingot)		427		21,350		193.0	.6
Steel manufactures		683		37,565		124.0	6.1
Wire (iron or steel)		3,000		90,000		185.1	.9
Other metal manufactures		2,892		578,400		137.0	6.1
Hardware		7,286		1,617,592		137.0	5.9
All other		621		18,630		117.0	
Machinery and vehicles: Engines and machinery		1,139	1,139	341,700	341,700	112.0	8.7
Chemicals: Drugs and chemicals		139	139	5,282	5,282	125.0	7.7
Unclassified			88,640		22,800,060		
Pianos		505		359,560		160.0	7.1
General merchandise		88,135		22,440,500		126.0	6.9
Total receipts, coastwise	585,908	148,905	734,813		41,060,132		
SHIPMENTS, COASTWISE.							
Animals and animal products			1,469		240,720		
Horses		66		52,000		172.0	1.2
Cattle		214		147,560		108.0	
Fish		250		39,750		124.0	
Manure	939			1,410		51.0	
Vegetable food products			127,873		12,856,683		
Fruits		1,725		172,726		151.0	5.3
Vegetables		2,361		236,100		173.0	5.6
Flour		3,159		257,912		151.0	3.7
Sugar		118,473		11,847,300		229.0	2.4
All other		2,155		342,645		147.0	4.6
Other vegetable products			3,575		1,214,778		
Rubber goods		2,000		600,000		507.0	.8
Turpentine		148		20,470		124.9	5.5
Dyewoods		176		5,280		185.1	6.3
Tobacco		50		75,000		507.0	2.0
All other		1,201		514,028		108.0	
Textiles			9,580		6,185,441		
Dry goods		5,382		3,747,400		229.0	3.5
Clothing		200		324,000		507.0	2.0
Cotton goods		1,877		1,459,691		316.0	2.2
Cotton (raw)		960		288,000		108.0	
Wool (raw)		961		336,350		108.0	
Rope		200		30,000		507.0	2.0

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EAST RIVER, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, COASTWISE—contd.						*Miles.*	*Cents.*
Wood and paper			4,521		$98,750		
Lumber and timber		525		$10,500		108.0	
Wood pulp		3,975		85,575		83.0	
All other		21		2,684		64.6	
Nonmetallic minerals			220,747		1,841,400		
Building stone		1,360		16,320		108.0	
Sand		34		34		108.0	
Salt		20		240		108.0	
Ashes	54,892			13,835		35.0	
Cellar dirt	117,069					23.5	
Lubricating oil		2,121		169,700		205.0	
Other petroleum products	45,251			1,641,271		109.0	5.9
Ores, metals, and manufactures			8,581		1,788,414		
Copper, sheet bar		500		150,000		507.0	8.9
Copper (ingot)		200		52,000		507.0	8.9
Copper manufactures		43		13,760		64.6	12.2
Iron (sheet bar)		79		11,850		185.1	4.3
Cast iron manufactures		1,049		268,878		136.0	5.4
Steel manufactures		665		36,575		124.9	6.1
Structural steel		182		10,556		185.1	4.2
Other metal manufactures		2,577		515,400		136.6	6.0
Hardware		3,285		729,270		136.6	6.0
All other		1		125		117.0	
Machinery and vehicles: Engines and machinery		183	183	54,900	54,900	112.3	8.7
Chemicals			5,026		171,948		
Drugs and chemicals		2,646		100,548		229.2	4.4
Fertilizer (chemical)		2,380		71,400		160.0	
Unclassified			346,536		164,483,140		
General merchandise		172,419		164,483,140		154.1	5.6
Garbage		174,117				23.5	
Total shipments coastwise	218,151	509,940	728,091		188,936,183		
Total receipts and shipments, coastwise	804,059	658,845	1,462,904		229,996,315		
RECEIPTS, INTERNAL.							
Animals and animal products:							
Leather goods		13	13	16,380	16,380	449.0	
Vegetable food products			364,898		18,705,852		
Fruits		375		23,000		393.0	
Flour		110		9,020		449.0	
Grain		358,360		17,201,292		449.0	.6
Hay		25		500		144.0	
All other		6,028		1,472,040		420.0	
Textiles: Dry goods		20	20	14,000	14,000	449.0	
Wood and paper			18,783		1,016,972		
Lumber and timber	5,685			121,536		52.0	
Wood pulp		12,274		859,180		449.0	
All other		824		36,256		173.0	
Nonmetallic minerals			845,648		4,219,260		
Brick (building)		146,863		1,248,336		88.0	
Cement		128,539		1,928,088		116.0	
Crushed stone	543,467			697,464		116.0	
Flagging		700		9,312		103.0	
Salt		17,000		200,000		328.0	
Clay manufactures	200			12,200		328.0	
Coke	1,060			7,950		88.0	
Molding sand	6,992			30,560		156.0	
Lubricating oil		19		1,520		88.0	
Gasoline		808		83,830		88.0	
Ores, metals and manufactures			38,019		1,367,410		
Slag	869			1,344		88.0	
Iron (pig and scrap)		29,755		724,750		449.0	
Steel (ingot sheet bar)		2,390		134,840		449.0	.7
Structural steel		2,779		161,182		449.0	
Wire (iron or steel)		15		900		449.0	
Pipe (cast iron)		211		14,394		280.0	1.1
All other		2,000		330,000		449.0	.6

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EAST RIVER N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL—contd.							
						Miles.	*Cents.*
Machinery and vehicles: Engines and machinery		200	200	$76,565	$76,565	74.0	
Chemicals			11,340		1,179,030		
Drugs and chemicals		5		190		88.0	
All other		11,335		1,178,840		389.0	
Unclassified			143,493		646,560		
Ice		142,836		449,460		122.0	
General and miscellaneous		657		197,100		389.0	
Total receipts, internal	558,273	864,141	1,422,414		27,242,029		
SHIPMENTS, INTERNAL.							
Vegetable food products			11,790		2,615,960		
Sugar		1,880		188,000		449.0	
All other		9,910		2,427,960		449.0	
Other vegetable products: Rubber goods		72	72	21,600	21,600	449.0	
Textiles			974		635,228		
Cotton goods		16		12,528		449.0	
All other		958		622,700		449.0	
Wood and paper			6,187		316,360		
Wood pulp		3,507		198,440		418.0	.8
All other		2,680		117,920		449.0	
Nonmetallic minerals			36,416		696,192		
Asphalt		903		8,127		449.0	
Brick (hollow tile)		250		3,250		449.0	
Cement		70		1,050		449.0	
Paving block (stone)	440			3,740		176.0	
Lubricating oil		3,887		132,323		298.0	
Other petroleum products	17,290			228,173		190.0	
Chalk and whiting	140			1,540		449.0	
All other		13,436		322,989		176.0	
Ores, metals and manufactures			7,298		1,684,748		
Copper (sheet, bar, wire)		4,104		1,231,200		449.0	
Lead (sheet, bar, wire)		3,194		453,548		449.0	
Machinery and vehicles			517		790,100		
Engines and machinery		17		5,100		288.0	
All other		500		785,000		27.0	
Chemicals: Unclassified		429	429	44,616	44,616	449.0	
Unclassified			13,102		3,981,012		
Pianos		1		712		449.0	
General and miscellaneous		13,101		3,930,300		367.0	
Total shipments, internal	17,870	58,915	76,785		10,735,806		
Total receipts and shipments, internal	576,143	923,056	1,499,199		37,977,835		
RECEIPTS, INTRAPORT.							
Animals and animal products			280,670		108,674,647		
Horses		46		36,500		22.5	
Cattle		159,814		84,577,060		4.2	
Sheep		30,142		14,977,229		4.2	
Hogs		585		87,840		5.0	
Fish		555		87,090		22.1	
Oysters and clams		3,154		62,490		19.0	
Hides		834		210,750		4.9	
Leather		331		214,300		10.3	
Leather goods		3,882		4,891,320		10.3	
Manure	478			957		3.0	
All other		80,849		3,529,111		11.6	
Vegetable food products			397,148		49,673,085		
Fruit		1,607		155,250		3.5	
Vegetables		465		24,550		3.5	
Grain		5,074		252,579		9.8	
Hay		1,362		45,840		3.5	
Flour		98,747		7,953,950		3.5	
Sugar		129,771		16,874,039		11.9	
All other		160,122		24,367,477		8.5	

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EAST RIVER, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT—contd.						*Miles.*	*Cents.*
Other vegetable products			49,300		$13,629,090		
Rubber goods		34,929		$10,478,700		8.5	
Turpentine		1,578		219,115		5.3	
Tobacco		1,392		1,301,100		15.3	9.6
All other		11,401		1,630,175		8.3	7.6
Textiles			38,392		18,187,721		
Dry goods		53		37,100		11.0	
Cotton goods		530		414,990		11.0	
Cotton (raw)		20,621		10,240,296		6.6	
Wool		2,563		897,050		4.9	
Rope		349		52,350		3.5	
All other		14,276		6,545,935		12.0	21.0
Wood and paper			123,925		12,745,761		
Lumber and timber	83,010			10,784,974		5.7	18.0
Piles		7,285		569,384		5.6	
Ties		2,850		60,000		5.0	
Cord wood		28		190		2.0	
Wood pulp		663		91,422		3.5	
All other		30,089		1,239,791		6.3	
Nonmetallic minerals			18,478,563		191,567,017		
Asphalt		22,412		278,339		7.4	
Bricks (building)		33,867		287,861		21.5	
Bricks (hollow tile)		66,311		877,439		16.8	
Bricks (fire)		8,798		168,741		9.8	
Marble		22,635		1,022,279		5.3	
Cement		213,500		3,077,463		3.5	
Sand	72,346			69,922		23.6	
Paving blocks (asphalt)		10,458		83,842		22.0	
Salt		9,959		190,465		3.5	
Clay manufactures		3,360		187,378		14.3	
Coal	14,394,397			115,155,176		10.2	11.3
Coke	8,244			64,327		20.0	
Ashes	1,821,746			273,247		3.1	
Cellar dirt	3,312			250		1.0	
Lubricating oil		57,621		3,911,281		7.9	
Gasoline		80,155		5,343,659		7.9	
Kerosene		14,284		696,187		11.0	
Other petroleum products	1,333,243	186,223		57,929,219		8.2	40.0
Chalk and whiting		17,878		196,658		12.6	3.9
All other		97,814		1,753,284		7.2	30.5
Ores, metals, and manufactures			395,533		71,619,378		
Slag	2,011			3,016		7.8	
Copper (sheet bar wire)		11,320		2,488,800		2.6	
Copper (ingot)		14,435		3,748,620		16.1	
Copper manufactures		5,792		1,853,440		7.8	51.3
Iron ore		6,200		175,000		3.5	22.9
Iron (pig and scrap)	532			17,589		3.3	34.5
Iron (sheet, bar, etc.)		2,732		245,300		3.5	
Iron oxide		2,835		46,101		18.0	
Iron (mine tailings)	12,705			19,037		7.8	
Steel (ingot, sheet, bar)		15,194		642,836		6.5	
Steel manufactures		14,092		1,115,237		11.4	
Structural steel		142,897		8,610,982		3.7	
Wire (iron or steel)		5,471		570,250		4.2	16.4
Lead (sheet, bar, ingot)		28,175		4,347,184		6.9	39.3
Lead manufactures		20,558		3,486,860		17.1	
Other metals, (sheet, bar, etc.)		4,128		825,600		26.0	9.0
Pipe (wrought iron)		15,254		1,658,698		3.5	
Pipe (cast iron)		3,697		78,475		3.8	
Pipe (steel)		4,738		175,588		3.5	28.6
All other		82,767		41,510,765		8.0	22.0
Machinery and vehicles			28,249		8,668,788		
Agricultural implements		440		45,000		4.9	16.4
Engines and machinery		23,375		7,263,900		5.9	
All other		4,434		1,359,888		3.5	
Chemicals			93,643		7,443,147		
Drugs and chemicals		59,221		2,048,911		8.8	
Fertilizer (chemical)		1,372		39,514		20.4	9.1
All other		33,050		5,354,722		8.9	23.0

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EAST RIVER, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT—contd.						*Miles.*	*cents.*
Unclassified			1,367,728		$401,606,043		
Ice	1,345			$4,036		14.0	
General and miscellaneous		1,358,288		398,985,497		13.0	
All other		8,095		2,616,510		16.4	
Total receipts, intraport	17,733,369	3,519,782	21,253,151		883,815,277		
SHIPMENTS INTRAPORT.							
Animal and animal products			47,612		7,370,658		
Horses		13		2,500		33.0	
Fish		253		40,435		3.3	
Hides		22,046		4,197,100		4.5	
Leather		372		111,600		21.5	9.6
Leather goods		26		32,760		17.8	
Manure	12,021			18,031		15.8	
All other		12,881		2,968,232		12.5	10.6
Vegetable food products			102,674		13,537,022		
Fruits		1,497		1,932,830		3.3	
Vegetables		306		21,443		3.0	
Flour		29,072		3,477,548		5.6	
Grain		66		4,546		3.0	
Hay		85		3,739		3.0	
Sugar		29,756		2,705,020		13.9	10.0
Wine		20		33,936		3.5	
All other		41,872		5,357,960		7.7	20.2
Other vegetable products			14,037		4,913,741		
Rubber goods		501		150,300		11.4	28.0
Turpentine		1,423		190,391		6.7	
Tobacco		6,023		1,976,277		16.0	20.8
All other		6,090		2,596,773		8.3	31.1
Textiles			24,497		5,130,746		
Dry goods		863		610,056		16.5	11.6
Clothing		300		486,000		3.5	
Cotton goods		1,900		157,986		19.0	9.6
Cotton (raw)		1,881		336,500		13.2	
Wool		3,137		713,750		18.3	
Rope		4,967		695,049		22.5	28.0
All other		11,449		2,131,405		9.4	
Wood and paper			34,102		2,704,956		
Lumber and timber		5		108		3.3	
Wood pulp		9,688		670,910		3.5	
Precious wood		4		400		3.3	
All other		24,405		2,033,538		13.5	17.8
Nonmetallic minerals			2,582,036		41,974,786		
Asphalt		1,262		13,932		8.3	
Marble		1,551		53,276		5.0	
Cement		54		720		13.6	
Lime		15		548		17.8	
Sand	66			66		25.1	
Paving blocks (asphalt)		256		497		12.9	
Paving blocks (stone)		9,756		28,456		23.3	
Salt		29		1,308		29.1	10.0
Glassware		537		42,927		3.3	22.9
Clay	583			3,880		18.3	10.3
Coal	29			290		3.0	
Coke	39,213			290,682		6.7	
Ashes	1,668,386			285,883		16.4	
Cellar dirt	68,237			5,150		17.7	
Lubricating oil	4,508	2,288		279,115		16.2	13.3
Nonmetallic minerals:							
Gasoline		184,529		11,860,414		7.5	
Kerosene		503		10,818		9.7	
Other petroleum products	484,629	80,121		28,445,228		7.8	
Chalk and whiting		617		6,787		3.0	
All other		34,867		644,789		8.5	
Ores, metals, and manufactures			64,121		12,457,228		
Copper ore		1,389		309,600		11.0	
Copper (sheet, bar, wire)		4,116		1,232,050		5.2	
Copper (ingot)		13,492		3,507,969		14.2	
Copper manufactures		1		231		14.2	
Iron (pig and scrap)	10,837			215,671		3.5	
Iron oxide		45		638		16.1	
Cast-iron manufactures		101		22,350		33.0	10.3

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EAST RIVER, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTRAPORT—contd.							
Ores, metals, and manufactures—Continued.						*Miles.*	*Cents.*
Steel (ingot, sheet, bar)		143		$8,452		17.9	
Steel manufactures		578		203,823		4.7	
Structural steel		229		13,322		14.5	
Wire (iron or steel)		278		41,430		13.0	
Lead		2,583		333,942		14.4	15.4
Lead manufactures		639		103,080		6.7	
Other metals (sheet, bar, etc.)		79		19,800		15.2	
Other metal manufactures		24		37,000		16.5	
Pipe (wrought iron)		1		250		33.0	
Pipe (cast iron)		330		44,800		27.1	
Pipe (steel)		25		2,200		25.1	9.5
Hardware		752		168,898		26.6	10.3
All other		28,479		6,191,722		9.1	
Machinery and vehicles			4,016		$1,640,130		
Agricultural implements		5		1,425		25.1	
Engines and machinery		3,021		812,705		5.5	
All other		990		826,000		9.1	
Chemicals			167,146		6,906,640		
Drugs and chemicals		1,306		49,628		17.1	
Coal tar		28,013		333,841		12.0	
Fertilizer (chemical)		3,241		110,966		23.2	
All other		134,586		6,412,205		10.6	28.0
Unclassified			704,923		211,448,469		
Pianos		242		172,304		5.0	
General and miscellaneous		703,766		210,975,786		13.6	12.1
All other		915		300,379		10.8	
Total shipments, intraport	2,288,509	1,456,655	3,745,164		308,084,376		
Total receipts and shipments, intraport	20,021,878	4,976,437	24,998,315		1,191,899,653		
LOCAL.							
Animals and animal products			550		101,342		
Milk		35		2,811		0.8	
Casein		379		37,875		2.7	
Oleo stearine		136		60,656		2.7	
Vegetable food products			3,119		504,655		
Flour		139		16,680		2.0	
Sugar		997		60,000		2.0	
All other		1,983		427,975		2.5	80.0
Other vegetable products: Turpentine		591	591	79,061	79,061	2.0	
Textiles			2,216		1,331,820		
Rope		12		1,800		2.2	
All other		2,204		1,330,020		2.3	
Wood and paper			8,420		345,706		
Lumber and timber	2,493			181,000		1.6	
Ties		252		3,096		5.0	
Wood pulp		900		36,000		2.3	
All other		4,775		125,610		2.3	
Nonmetallic minerals			1,388,656		14,795,643		
Asphalt		21		336		2.0	
Marble		3,287		167,727		1.2	
Paving blocks (stone)		1,025		8,713		2.0	
Coke	105,270			759,959		1.7	
Ashes	899,973			141,269		1.8	
Cellar dirt	119,250			No value		2.0	
Lubricating oil		808		26,491		2.0	
Gasoline		3,119		192,501		2.0	
Other petroleum products	243,577			13,314,544		2.0	
All other		12,326		184,103		2.0	
Ores, metals, and manufactures			4,735		706,990		
Steel manufactures		24		7,290		2.7	
Lead manufactures		4,142		672,700		2.0	
All other		569		27,000		2.0	
Machinery and vehicles			328		232,255		
Engines and machinery		327		232,000		2.7	
Motorless vehicles		1		255		4.5	

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EAST RIVER, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
LOCAL—continued.						*Miles.*	*Cents.*
Chemicals			1,859		$30,717		
Drugs and chemicals		261		$9,232		2.0	
All other		1,598		21,485		5.3	
Unclassified			97,181		29,143,615		
General merchandise		97,076		29,122,800		1.5	
All other		105		20,815		4.5	
Total local	1,370,563	137,092	1,507,655		47,271,804		

CARGOES IN TRANSIT.

Classes and commodities.	Amount in short tons.	Value.
Animals and animal products:		
Cattle	1,859	$207,197
Sheep	34	11,405
Hogs	3,579	1,130,044
Fish	20	2,000
Oysters and clams	5,713	151,728
Hides	770	192,500
Leather	71	21,300
Leather goods	6	7,560
Manure	23,209	38,149
All others	60,881	14,759,517
Vegetable food products:		
Fruit	225	22,500
Vegetables	723	58,553
Flour	63,123	5,354,832
Grain	31,047	1,052,156
Hay	372	7,440
Straw	12	240
Sugar	9,197	921,700
All other	9,883	2,101,843
Other vegetable products:		
Rubber goods	2,710	801,000
Turpentine	2,482	342,387
Tobacco	2,784	872,225
All other	2,933	867,428
Textiles:		
Dry goods	360	252,000
Clothing	653	1,639,800
Cotton goods	1,816	1,360,000
Cotton (raw)	10,748	4,097,736
Wool (raw)	13,175	9,222,500
Rope	711	107,050
All other	4,740	1,682,916
Wood and paper:		
Lumber and timber (sawed)	209,967	4,078,546
Shingles	1,329	40,879
Lath	16,663	4,817,302
Piles or logs	1,813	73,120
Ties	5,965	94,183
Cordwood	8,705	57,833
Wood pulp	3,348	105,176
All other	24,485	1,093,019
Nonmetallic minerals:		
Asphalt	86,073	1,765,016
Brick (building)	283,389	2,406,589
Building stone	97,163	1,376,607
Cement	196,241	3,068,151
Lime	159,466	5,549,060
Gravel	430,827	622,110
Sand	2,061,135	3,110,407
Crushed stone	621,958	879,260
Flagging	12,166	185,416
Paving blocks (stone)	22,095	195,420
Salt	40,367	466,308
Coal	10,092,849	80,833,090
Nonmetallic minerals—Con		
Ashes	310,164	$46,993
Cellar dirt	100,985	7,621
Molding sand	12,795	39,675
Lubricating oil	71,904	2,682,968
Gasoline	206,458	17,120,522
Kerosene	38,531	2,111,610
Other petroleum products	998,863	30,517,525
All other	376,173	3,175,985
Ores, metals, and manufactures:		
Slag	26,000	39,000
Copper ore	34,692	2,055,600
Copper (sheet, bar, wire)	61,442	18,192,606
Copper (ingot)	34,682	9,048,260
Copper manufactures	704	225,483
Iron ore	6,980	77,527
Iron (pig and scrap)	15,545	386,193
Iron (sheet, bar, etc.)	670	29,800
Iron (mine tailings)	962	1,443
Cast-iron manufactures	326	50,812
Steel (ingot, sheet, bar, etc.)	1,104	71,389
Steel manufactures	3,306	241,572
Structural steel	8,329	382,968
Wire (iron or steel)	126	10,300
Lead (sheet, bar, wire, etc.)	115	15,851
Lead manufactures	452	76,840
Pipe (wrought iron)	398	48,828
Pipe (cast iron)	1,575	107,807
Hardware	8,436	1,854,400
All other	110,012	19,420,285
Machinery and vehicles:		
Agricultural Implements	25	6,000
Engines and machinery	4,773	1,347,001
Automobiles	1,000	2,000,000
All other	1,386	219,290
Chemicals:		
Drugs and chemicals	22,403	834,076
Fertilizer (chemical)	34,944	1,059,364
Alcohol	10	3,960
All other	36,680	2,775,383
Unclassified:		
Ice	30,470	101,814
Pianos	924	711,674
General merchandise	1,295,334	616,491,250
Garbage	262,584	No value.
All other	16,360	5,988,230
Total	18,767,647	897,680,983

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EAST RIVER, N. Y.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	40,284	$5,562,285	11,832	$1,918,995	6,138	$694,264	328,845	$116,163,027	387,099	$124,338,571
Vegetable food products	861,981	81,048,068	295,052	28,406,502	128,477	12,876,761	879,629	85,037,164	2,165,139	207,368,495
Other vegetable products	7,331	2,248,205	9,795	2,776,170	5,477	2,699,005	64,000	18,643,492	86,603	26,366,872
Textiles	70	10,500	80,659	58,159,070	22,337	15,617,533	66,099	25,299,515	169,160	99,098,618
Wood and paper	87,425	2,343,549	51,317	2,711,734	84,646	2,171,408	191,417	17,129,755	414,805	24,356,446
Nonmetallic minerals	138,951	4,883,764	225,722	6,449,208	748,499	3,439,679	23,331,319	253,252,898	24,444,491	268,025,549
Ores, metals and manufactures	15,357	2,032,805	145,426	15,020,415	25,667	4,640,635	509,706	87,835,754	696,156	109,529,609
Machinery and vehicles	70	21,000	20,675	6,174,559	1,322	396,600	33,310	11,407,838	55,377	17,999,997
Chemicals	62,299	1,973,096	22,415	2,651,738	5,165	177,230	274,417	15,604,150	364,296	20,406,214
Unclassified	117,216	34,678,576	409,184	114,983,801	435,176	187,283,200	2,326,427	646,775,699	3,288,003	983,721,276
Total	1,330,984	134,801,848	1,272,077	239,252,192	1,462,904	229,996,315	28,005,169	1,277,149,292	32,071,134	1,881,199,647

	Short tons.	Value.
Car ferry	8,693,377	$2,608,013,100
Cargoes in transit	18,767,647	897,680,983

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EAST RIVER, N. Y.—continued.

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Steamers	539	283	21,596	21,586	53	12,000	6	35
Towboats	400	.....	66,020	66,020	21	500	6	14
Sailing vessels	286	137	517	517	32	840	4	16
Canal boats, lighters, barges, etc.	6,027	7	92,384	92,384	50	3,500	3	24
Ferry boats	36	.....	163,248	163,248	298	1,364	6	18
Car floats	370	.....	31,885	31,885	1,200	3,000	6	11
Police department—								
Steamers	1	.....	365	365	.....	400	.....	17
Launches	3	.....	1,095	1,095	.....	13	.....	4
Fire department—steamers	8	.....	1,322	1,322	36	326	7	15
Supervisor's steamers	4	.....	299	299	150	208	11	12
Navy vessels	88	.....	113	113	[1] 149	[1] 32,600	7	31
Army vessels	14	.....	18,522	18,522	65	833	.....	.....
Miscellaneous craft	310	.....	9,889	9,889	7	700	2	16
Unregistered: Canal boats, lighters, barges, etc.	383	.....	7,832	7,832	150	565	3	9

[1] Displacement tonnage.

Passengers carried, 37,504,827.

Of the foregoing classification the following passed through Hell Gate:

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Steamers	82	2	9,016	9,016	53	7,805	6	24
Towboats	250	.....	21,670	21,670	21	286	4	14
Sailing vessels	162	129	398	398	32	840	7	16
Canal boats, lighters, barges, etc.	4,298	7	30,371	30,371	129	3,500	3	24
Ferry boats	2	.....	25,148	25,148	298	338	6	7
Car floats	51	.....	12,771	12,771	1,200	3,000	6	11
Fire department—steamers	5	.....	131	131	36	326	6	15
Army vessels	2	.....	1,204	1,204	210	276	.....	.....
Miscellaneous craft	144	.....	507	507	190	600	2	16
Unregistered: Canal boats, lighters, barges, etc.	82	.....	198	198	150	500	3	8

Passengers carried ,2,824,187.

WALLABOUT CHANNEL, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1897	340,000	$16,008,000	1915	1,245,689	$15,660,163
1908	937,384	4,444,600	1916	1,628,147	26,983,441
1909	1,094,329	3,545,675	1917	1,927,914	26,471,459
1910	1,095,580	3,726,300	1918	1,707,079	13,748,522
1911	1,136,444	9,385,788	1919	2,625,186	105,935,827
1912	1,024,821	10,240,289	1920 [1]	1,694,152	30,291,785
1913	1,048,339	9,209,538	1921 [1]	1,586,398	52,351,645
1914	990,618	13,021,165			

[1] Exclusive of following additional traffic:

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WALLABOUT CHANNEL, N. Y.—continued.

Comparative statement of traffic—Continued.

Year.	Car ferry.	
	Tons.	Value.
1920	517,432	$155,229,600
1921	300,892	90,267,600

Passengers carried, none.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
						Miles.	*Cents.*
Wood and paper, lumber and timber	221		221	$5,690	$5,690	714.0	0.4
Nonmetallic minerals			67,217		85,513		
Gravel	26,051			19,297		29.3	
Sand	37,826			37,826		29.3	
Paving block (stone)	3,340			28,390		430.0	.3
Total receipts, coastwise	67,438		67,438		91,203		
SHIPMENTS, COASTWISE.							
Unclassified: Garbage	194,396		194,396			32.0	
Total receipts and shipments, coastwise	261,834		261,834		91,203		
INTERNAL RECEIPTS.							
Nonmetallic minerals			72,382		280,734		
Brick (building)		7,028		59,738		96.0	.6
Cement		1,200		12,000		122.0	
Crushed stone	50,413			65,914		46.0	
Flagging		1,421		19,882		106.0	
Salt	12,330			123,200		328.0	
Unclassified: Ice		35,220	35,220	115,564	115,564	122.0	
Total receipts, internal	62,733	44,869	107,602		396,298		
INTERNAL SHIPMENTS.							
Ores, metals and manufactures: Structural steel		40	40	4,000	4,000	81.0	
Total receipts and shipments, internal	62,733	44,909	107,642		400,298		
RECEIPTS, INTRAPORT.							
Animals and animal products			65,969		28,302,916		
Cattle		1,855		206,478		4.0	
Sheep		35		11,405		4.0	
Hogs		3,578		1,130,044		4.0	
Leather		69		20,700		4.0	
All other		60,432		26,934,289		4.0	
Vegetable food products			80,624		5,285.770		
Vegetables		23		2,300		5.0	
Flour		46,809		3,827,311		3.0	
Grain		30,482		1,015,196		4.0	
Hay		179		3,580		4.0	
Sugar		170		17,060		4.0	
All other		2,961		420,383		6.6	
Other vegetable products			1,511		1,842,716		
Tobacco		1,455		1,818,750		4.0	
All other		56		23,968		4.0	
Textiles			941		611,660		
Hemp		506		328,900		4.0	
Burlap		435		282,760		4.0	
Wood and paper			5,215		265,986		
Lumber and timber		105		2,310		4.3	
Piles or logs		990		29,700		6.0	
Wood pulp		150		14,400		3.2	37.5
All other		3,970		219,576		6.0	

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WALLABOUT CHANNEL, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT—contd.						*Miles.*	*Cents.*
Nonmetallic minerals			702,639		$6,562,179		
Brick (fire)		21		$357		4.0	
Cement		152		2,280		4.0	
Lime		750		18,870		4.0	
Salt		4,208		104,300		3.0	
Glassware		1		325		4.0	
Clay		5,747		12,900		30.0	
Coal	668,048			5,063,803		10.8	
Lubricating oil		360		36,000		4.0	
Gasoline		11,114		926,223		14.5	
Other petroleum products		66		5,896		3.0	
Sulphur		2,000		36,000		4.6	
All other		10,175		356,125		9.3	
Ores, metals and manufactures			18,673		3,821,976		
Copper (ingot)		22		5,720		4.0	
Copper manufactures		330		105,600		4.0	
Iron (pig and scrap)	49			1,225		4.0	
Steel manufactures		15		825		4.0	
Structural steel		1,320		5,280		6.0	
All other		16,937		3,703,326		6.3	
Machinery and vehicles: Machinery and vehicles		315	315	46,200	46,200	5.0	
Chemicals			1,948		187,940		
Drugs and chemicals		222		8,436		4.0	
All other		1,726		179,504		4.0	
Unclassified: General and miscellaneous		21,324	21,324	170,592	170,592	5.3	
Total receipts, intraport	668,097	231,062	899,159		47,097,927		
SHIPMENTS, INTRAPORT.							
Animals and animal products			1,291		387,168		
Hides		747		186,750		4.0	
All other		544		200,418		4.0	
Vegetable food products			770		173,209		
Flour		15		1,232		4.0	
Sugar		93		9,300		4.0	
All other		662		162,677		4.0	
Other vegetable products: Tobacco		661	661	826,250	826,250	4.0	
Textiles			144		93,600		
Burlap		5		3,250		4.0	
Hemp		139		90,350		4.0	
Wood and paper			1,025		45,100		
Paper		717		81,548		4.0	
Cork		308		13,552		4.0	
Nonmetallic minerals			302,738		156,667		
Asphalt		22		198		4.0	
Ashes	195,840			57,271		12.7	
Cellar dirt	104,397			7,871		6.1	
Sulphur	21			420		4.0	
Iron ore	18			72		4.0	
Iron (pig and scrap)	1,968			5,475		12.4	
Cast iron manufactures		15		3,330		4.0	
Lead (sheet, bar, ingot)		5		5,210		4.0	
Lead manufactures		452		76,840		4.0	
Machinery and vehicles: Engines and machinery		339	339	101,700	101,700	4.0	
Chemicals			723		36,124		
Drugs and chemicals		17		646		4.0	
Fertilizer (chemical)		498		13,846		21.0	4.8
All other		208		21,632		4.0	
Unclassified			10,072		2,942,379		
General and miscellaneous		9,947		2,900,129		5.7	
All other		125		42,250		4.0	
Total shipments, intraport	302,244	15,519	317,763		4,762,217		
Total receipts and shipments, intraport	970,341	246,581	1,216,922		51,860,144		

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WALLABOUT CHANNEL, N. Y.—continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			67,260	$28,690,084	67,260	$28,690,084
Vegetable food products			81,394	5,458,979	81,394	5,458,979
Other vegetable products			2,172	2,668,968	2,172	2,668,968
Textiles			1,085	705,250	1,085	705,250
Wood and paper	211	$5,690	6,240	311,086	6,461	316,776
Nonmetallic minerals	67,217	85,513	1,077,759	6,999,600	1,144,976	7,085,113
Ores, metals and manufactures			18,713	3,825,976	18,713	3,825,976
Machinery and vehicles			654	147,900	654	147,900
Chemicals			2,671	224,064	2,671	224,064
Unclassified	194,396	No value.	66,616	3,228,535	261,012	3,228,535
Total	261,834	91,203	1,324,564	52,260,442	1,586,398	52,351,645

	Short tons.	Value.
Car ferry	300,892	$90,267,600

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Towboats		2,082	2,082	99	186	9	14
Sailing vessels	4	4	4	547	620	15	16
Canal boats, lighters, barges, etc.	1,004	3,589	3,589	150	2,000	3	22
Car floats	191	1,616	1,616	1,200	3,000	6	11
Miscellaneous craft	2	102	102	127	549	7	14

Passengers carried, none.

NEWTOWN CREEK, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1896	2,740,482	(1)	1911	5,435,016	$191,747,615
1897	3,228,544	$51,446,931	1912	4,921,843	225,416,029
1902	3,000,000	(1)	1913	5,141,516	226,962,025
1903	2,675,025	90,535,640	1914	4,445,556	147,739,825
1904	3,771,726	108,313,377	1915	5,756,102	147,086,860
1905	3,428,404	130,812,974	1916	5,915,150	201,581,200
1906	2,803,380	214,714,751	1917	5,215,820	294,701,793
1907	3,108,374	175,229,346	1918	4,369,136	322,960,545
1908	4,181,528	229,994,000	1919	4,733,235	211,599,458
1909	5,113,628	253,003,661	1920	3,532,246	214,717,005
1910	3,861,852	139,378,623	1921	4,628,366	169,425,525

[1] No statistics available.

No passengers carried.

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NEWTOWN CREEK, N. Y.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper		41,372		$991,109
Lumber and timber	34,437		$674,990	
Lath	6,935		316,119	
Total imports		41,372		991,109

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Other vegetable products: All other		200	200	$8,356	$8,356	1,825.0	
Wood and paper			76,627		1,074,511		
Lumber and timber—(sawed)	72,176			788,949		622.0	0.9
Lath		2,746		274,600		427.0	
Cordwood		1,705		10,962		345.0	2.2
Nonmetallic minerals			112,001		535,046		
Building stone		862		13,145		427.0	1.8
Lime		925		27,750		427.0	.6
Gravel	29,176			44,153		32.5	2.0
Sand	60,128			58,716		32.5	2.0
Crushed stone	2,794			1,742		56.1	
Paving blocks (stone)		2,748		27,530		427.0	.4
Other petroleum products	11,885			291,256		145.0	
Chalk and whiting	170			4,340		34.4	
All other	3,313			66,414		427.0	.4
Ores, metals, and manufactures: All other		467	467	2,335	2,335	265.0	.3
Total receipts, coastwise	179,642	9,653	189,295		1,620,248		
SHIPMENTS, COASTWISE.							
Wood and paper: Lumber and timber (sawed)	648		648	17,573	17,573	148.0	1.4
Nonmetallic minerals			99,829		1,433,636		
Lubricating oil	53,806			176,484		265.0	
Other petroleum products	46,023			1,257,152		157.0	
Ores, metals, and manufactures			28,360		621,500		
Slag	26,000			39,000		27.0	
Copper (sheet, bar, wire, etc.)	1,500			450,000		180.0	.5
All other		860		132,500		427.0	
Machinery and vehicles: Engines and machinery		86	86	12,000	12,000	27.0	
Total shipments, coastwise	127,977	946	128,923		2,084,709		
Total receipts and shipments, coastwise	307,619	10,599	318,218		3,704,957		
INTERNAL RECEIPTS.							
Vegetable food products			5,257		352,394		
Grain	4,377			136,794		449.0	
Molasses		880		215,600		269.0	
Wood and paper: Unclassified	21		21	6,150	6,150	328.0	
Nonmetallic minerals			581,880		3,812,111		
Brick (building)		246,390		2,094,315		87.0	2.9
Cement		88,807		1,132,111		120.0	
Gravel	5,731			4,245		81.0	
Crushed stone	228,527			305,515		46.0	

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NEWTOWN CREEK, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average age haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INTERNAL RECEIPTS—contd.							
Nonmetallic minerals—Con.						*Miles.*	*Cents.*
Flagging		1,164		$15,132		100.0	
Molding sand	8,305			24,725		124.0	0.9
Gasoline		2,796		232,068		133.0	
Chalk and whiting	160			4,000		65.0	
Ores, metals and manufactures			2,672		$63,325		
Iron ore	2,336			56,800		449.0	
Iron (pig and scrap)	336			6,525		449.0	
Machinery and vehicles: Engines and machinery		1	1	301	301	328.0	
Chemicals: Alkali		3,209	3,209	91,193	91,193	328.0	
Total receipts, internal	249,793	343,247	593,040		4,325,474		
INTERNAL SHIPMENTS.							
Nonmetallic minerals: Petroleum products	127,189		127,189	219,544	219,544	115.0	
Ores, metals, and manufactures: Copper (sheet, bar, wire)		2,690	2,690	807,000	807,000	359.0	
Total shipments, internal	127,189	2,690	129,879		1,026,544		
Total receipts and shipments, internal	376,982	345,937	722,919		5,352,018		
RECEIPTS INTRAPORT.							
Animals and animal products			21,173		98,706		
Cattle		3		720		2.0	
Manure	21,021			31,532		5.2	
All other		149		66,454		2.0	
Vegetable food products			2,719		230,951		
Flour		1,000		79,076		4.7	31.0
Hay		129		2,580		7.4	
All other		1,590		149,295		6.1	14.7
Other vegetable products			2,985		629,469		
Turpentine		2,157		297,517		7.0	30.0
Tobacco		329		238,350		6.7	
All other		499		93,602		7.0	24.0
Textiles			1,775		176,052		
Cotton goods		83		8,300		6.7	
Cotton (raw)		594		47,128		6.7	
All other		1,098		120,624		10.1	
Wood and paper			74,947		2,078,905		
Lumber and timber		55,715		1,313,992		9.3	13.2
Shingles		260		16,882		7.4	
Lath		65		5,756		10.6	
Ties		5,939		93,767		10.6	
Cordwood		207		962		6.7	
Wood pulp		198		27,600		10.6	10.4
All other		12,563		619,946		6.5	
Nonmetallic minerals			2,171,996		49,780,413		
Asphalt		6,990		143,179		20.5	
Brick (building)	1,800			12,600		30.0	
Brick (hollow tile)		685		8,825		27.0	5.3
Brick (fire)		270		3,080		19.0	7.9
Building stone		413		7,256		8.7	
Cement		52,621		1,055,334		6.5	13.8
Lime		7,012		261,561		5.4	
Sand	45,214			45,215		17.3	
Paving blocks (asphalt)		3,855		24,210		25.0	
Salt		825		6,724		7.5	18.7
Clay	400			1,355		28.0	
Coal	898,960			7,191,680		11.5	5.1
Coke	26,220			209,732		25.4	2.2
Ashes	31,014			2,593		2.4	
Lubricating oil	11,087	2,995		575,799		10.9	
Gasoline		15,672		1,227,399		21.3	
Kerosene		7,911		375,783		13.2	
Other petroleum products		1,012,890		37,706,834		11.5	
Chalk and whiting		425		4,675		10.6	
All other		44,737		916,579		12.0	
Ores, metals, and manufacturers			144,205		21,647,327		
Copper ore	34,692			2,055,600		6.9	12.7

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NEWTOWN CREEK, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT—contd.							
Nonmetallic minerals—Contd.:						*Miles.*	*Cents.*
Copper (sheet, bar, wire)		11,985		$3,595,500		5.5	
Copper manufactures		374		119,833		10.2	39.2
Iron ore	4,626			20,655		13.0	
Iron (pig and scrap)	53			2,120		6.9	
Steel (sheet, bar, ingot)		554		31,024		6.7	
Steel manufactures		510		25,500		6.9	
Structural steel		609		29,958		6.7	
Wire		36		1,800		6.7	
Pipe (wrought iron)		134		17,822		6.7	
Pipe (cast iron)		420		36,200		6.7	
All other		90,212		15,711,315		6.6	
Machinery and vehicles			860		$1,015,300		
Engines and machinery		360		15,300		2.8	
All other		500		1,000,000		3.0	
Chemicals			42,947		2,489,355		
Drugs and chemicals		7,846		298,148		10.5	
Fertilizer (chemical)		15,927		570,384		15.4	
All other		19,174		1,620,823		9.6	
Unclassified			5,194		5,852,509		
General miscellaneous		5,178		5,847,101		7.7	
All other		16		5,408		7.0	
Total receipts, intraport	1,075,087	1,393,714	2,468,801		83,998,987		
SHIPMENTS, INTRAPORT.							
Animals and animal products			123		38,412		
Hides		23		5,750		6.7	
All other		100		32,662		10.1	20.0
Vegetable food products: Unclassified		692	692	70,960	70,960	6.7	
Textiles			2,425		425,991		
Rope		709		106,350		6.7	
All other		1,716		319,641		6.9	21.0
Wood and paper			7,063		118,165		
Lumber and timber		409		8,976		4.8	
Cordwood		5,141		34,884		8.3	
All other		1,513		74,305		10.3	
Nonmetallic minerals			897,553		39,573,982		
Glassware		190		1,800		6.7	
Coal		39,066		159,000		2.7	
Lubricating oil	32,549	21,525		1,982,169		7.8	
Gasoline		195		19,976		7.3	
Other petroleum products	783,127	476		36,722,945		11.0	
All other		20,425		688,092		7.4	
Ores, metals, and manufactures			116,244		25,880,253		
Copper ore	602			60,200		24.0	
Copper (sheet, bar, wire)		52,445		15,733,500		6.8	14.3
Copper, ingot		59,978		9,657,806		6.8	
Pipe (wrought iron)		158		21,014		7.0	
All other		3,061		407,733		14.7	20.0
Machinery and vehicles			670		1,027,000		
Engines and machinery		170		27,000		13.3	
All other		500		1,000,000		16.0	
Chemicals			29,342		1,670,490		
Drugs and chemicals		12,033		276,759		4.5	
Fertilizer (chemical)		5,202		146,419		19.0	9.6
All other		12,107		1,247,312		7.5	
Unclassified: General and miscellaneous		21,374	21,374	6,412,200	6,412,200	6.7	
Total shipments, intraport	816,278	259,208	1,075,486		75,217,453		
Total receipts and shipments, intraport	1,891,365	1,652,922	3,544,287		159,216,440		
LOCAL.							
Nonmetallic minerals: Kerosene		1,401	1,401	120,000	120,000	.6	
Ores, metals, and manufactures: Steel tanks		44	44	13,001	13,001	.6	
Machinery and vehicles: Machinery		125	125	28,000	28,000	.8	
Total local		1,570	1,570		161,001		

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NEWTOWN CREEK, N. Y.—continued.

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic.				Total.	
			Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products					21,296	$137,118	21,296	$137,118
Vegetable food products					8,668	654,305	8,668	654,305
Other vegetable products			200	$8,356	2,985	629,469	3,185	637,825
Textiles					4,200	602,043	4,200	602,043
Wood and paper	41,372	$991,109	77,275	1,092,084	82,031	2,203,220	200,678	4,286,413
Nonmetallic minerals			211,830	1,968,682	3,780,019	93,506,050	3,991,849	95,474,732
Ores, metals, and manufactures			28,827	623,835	265,855	48,410,906	294,682	49,034,741
Machinery and vehicles			86	12,000	1,656	2,070,601	1,742	2,082,601
Chemicals					75,498	4,251,088	75,498	4,251,038
Unclassified					26,568	12,264,709	26,568	12,264,709
Total	41,372	991,109	318,218	3,704,957	4,268,776	164,729,459	4,628,366	169,425,525

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Steamers	17		281	281	97	2,223	8	20
Towboats					99	334	6	14
Sailing vessels	70	34	144	144	40	840	3	16
Canal boats, lighters, barges, etc.	2,414		9,565	9,565	50	1,948	3	21
Miscellaneous craft	58		120	120	127	549	8	14
Unregistered	95		1,230	1,230	130	600	3	10

Passengers carried, none.

HARLEM RIVER, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1887	2,524,155	(1)	(1)	1911	11,751,732	$570,494,993	522,102
1890	3,390,466	(1)	(1)	1912	15,376,742	742,503,048	319,928
1893	5,910,376	$190,149,712	(1)	1913	18,313,336	704,984,490	126,466
1894	5,910,376	190,149,712	(1)	1914	11,577,922	582,383,737	214,488
1895	7,533,594	203,707,376	(1)	1915	15,096,169	1,538,506,583	454,199
1903	6,910,386	282,186,100	(1)	1916	13,789,723	1,286,970,462	614,489
1904	9,130,763	231,384,004	(1)	1917	15,822,342	1,788,331,171	2,646,908
1905	9,998,021	270,210,309	(1)	1918	11,298,747	1,447,737,195	385,070
1906	11,385,649	104,359,757	(1)	1919	5,253,514	475,290,714	668,693
1907	12,385,507	313,380,743	(1)	1920 [2]	3,888,243	72,985,664	1,020,903
1908	42,768,658	410,100,000	187,315	1921 [2]	4,680,040	86,136,864	1,696,079
1909	12,822,385	369,099,686	266,907				

[1] No statistics available.
[2] Exclusive of the following additional traffic:

Year.	Car ferry.		General ferry.		Cargoes in transit.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
1920	1,601,280	$480,384,000	4,311	$496,670		
1921			5,015	687,951	158	$2,425

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HARLEM RIVER, N. Y.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper		5,474		$1,044,670
Lumber	2,697		$59,334	
Lath	2,777		985,336	
Nonmetallic minerals: Calcemine plaster	962	962	33,670	33,670
Total foreign receipts		6,436		1,078,340

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate, ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Wood and paper			2,671		$35,646		
Lumber and timber (sawed)		1,114		$18,572		468.0	
Lath		87		7,074		468.0	
Cordwood		1,470		10,000		324.0	
Nonmetallic minerals			616,527		5,736,777		
Building stone		3,000		30,000		468.0	0.4
Lime		148,000		5,147,828		468.0	.4
Gravel	40,484			62,135		34.9	.3
Sand	398,653			408,675		34.9	.2
Crushed stone	28,890			40,000		51.2	
Flagging		2,500		48,139		468.0	.6
Machinery and vehicles: Engines and machinery		32	32	2,500	2,500	63.3	
Total receipts, coastwise	463,027	156,203	619,230		5,774,923		
SHIPMENTS, COASTWISE.							
Animals and animal products: Manure	3,102		3,102	6,205	6,205	58.7	
Nonmetallic minerals			17,007		8,842		
Ashes	16,774			687		40.0	
All other		233		8,155		270.0	0.9
Unclassified: Garbage	68,188		68,188	No value.	No value.	40.0	
Total shipments, coastwise	88,064	233	88,297		15,047		
Total receipts, and shipments, coastwise	551,091	156,436	707,527		5,789,970		
INTERNAL RECEIPTS.							
Wood and paper: Lath		52	52	3,951	3,951	199.0	
Nonmetallic minerals			232,684		1,217,484		
Brick (building)		100,046		765,343		87.0	6.2
Cement		13,614		156,449		126.0	
Crushed stone	102,763			133,532		29.5	1.3
Flagging		2,388		18,404		94.0	
Salt		13,440		134,400		239.0	1.2
Plaster		433		9,356		69.0	
Unclassified: Ice		48,493	48,493	170,637	170,637	112.0	
Total receipts, internal	102,763	178,466	281,229		1,392,072		

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HARLEM RIVER, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT.						*Miles.*	*Cents.*
Animal and animal products			960		$144,530		
Fish		48		$6,660		6.9	
All other		912		137,870		9.5	
Vegetable food products			21,687		2,426,647		
Fruits		55		8,830		6.9	
Vegetables		856		62,693		6.9	
Flour		15,780		1,493,193		10.1	
Grain		606		41,026		9.1	
Hay		85		3,739		6.9	
Sugar		922		99,212		6.2	
All other		3,383		717,954		10.8	29.0
Other vegetable products			1,197		181,700		
Rubber goods		60		6,000		11.3	
Turpentine		325		44,800		12.0	
Tobacco		172		28,500		11.3	8.1
All other		640		102,400		11.3	
Textiles			840		482,359		
Dry goods		38		39,356		6.9	
Cotton (raw)		34		2,608		11.3	
All other		768		440,395		8.8	
Wood and paper			13,065		485,581		
Paving blocks (wood)		1,551		62,000		11.3	
Lumber and timber		10,600		413,858		11.0	11.7
Piles or logs		113		4,520		12.0	
Cordwood		98		455		11.3	
All other		703		4,748		27.0	
Nonmetallic minerals			2,574,288		24,981,814		
Asphalt		76,756		932,683		21.1	5.6
Brick (building)	832			7,072		36.7	
Brick (hollow-tile)		7,050		81,474		31.4	4.0
Marble		1,321		62,376		11.3	
Building stone		1,856		37,544		11.3	
Cement		20,669		295,888		10.7	
Lime		621		16,366		11.3	
Gravel	26,730			34,650		23.4	
Sand	145,915			137,995		26.0	
Salt		8,843		88,660		11.8	11.7
Clay manufactures		158		1,903		11.3	
Coal	2,015,848			15,280,128		16.8	2.5
Coke	42,887			321,058		14.2	
Ashes	6,914			1,757		6.9	
Moulding sand	538			2,143		11.3	9.7
Gasolene		77,486		4,981,230		6.9	
Kerosene		3,484		196,120		23.0	
Other petroleum products		96,736		1,960,775		11.1	
Chalk and whiting		6,040		37,349		11.2	5.6
All other		33,604		504,645		19.8	5.5
Ores, metals and manufactures			7,107		578,067		
Copper (ingot)		40		20,000		11.3	
Iron (pig and scrap)	1,694			52,500		11.3	12.4
Iron (sheet, bar, etc.)		100		4,300		11.3	
Steel (ingot, sheet, bar)		226		12,656		11.3	
Steel manufactures		1,872		165,252		11.3	28.3
Structural steel		1,725		95,000		11.3	
Wire (iron or steel)		40		1,000		11.3	
Pipe (wrought iron)		96		5,992		11.3	
Pipe (cast iron)		230		12,000		11.3	8.8
Hardware		836		167,200		11.3	
All other		248		42,167		11.8	
Machinery and vehicles: Engines and machinery		684	684	190,000	190,000	8.7	
Chemicals			1,571		93,798		
Drugs and chemicals		1,060		40,280		31.5	
All other		511		53,518		13.3	
Unclassified			34,055		34,133,587		
Pianos		136		136,000		11.3	
General and miscellaneous		32,879		33,192,137		14.5	
All other		1,040		805,450		6.9	
Total receipts, intraport	2,241,358	464,151	2,705,509		63,698,083		

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HARLEM RIVER, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTRAPORT.						*Miles.*	*Cents.*
Animals and animal products			4,058		$10,753		
Cattle		3		$720		6.7	
Manure	4,042			8,086		7.8	
All other		13		1,947		5.0	
Vegetable food products: Unclassified		30	30	10,695	10,695	5.0	
Wood and paper			6,924		247,879		
Piles or logs		50		2,000		8.2	
All other		6,874		245,879		12.8	
Nonmetallic minerals			902,242		1,656,680		
Marble		4,079		183,635		9.5	
Building stone		63,000		945,000		12.0	
Lime		7,985		296,000		9.5	
Ashes	824,298			129,121		8.6	
Gasolene		9		575		12.0	
Other petroleum products		36		1,199		12.0	
All other		2,890		101,150		13.4	13.3
Ores, metals and manufactures			24,641		5,020,633		
Iron (pig and scrap)	302			11,089		9.4	14.0
Cast iron manufactures		25		2,500		12.0	
Steel manufactures		709		38,995		12.0	
Structural steel		3,685		213,730		14.0	
All other		19,920		4,754,319		12.0	
Machinery and vehicles: Engines and machinery		468	468	199,300	199,300	10.7	11.7
Chemicals: Ammoniacal liquor		1,560	1,560	2,912	2,912	3.0	
Unclassified			32,501		6,775,547		
Pianos		211		164,850		12.0	
General and miscellaneous		19,371		6,609,405		14.0	
All other		12,919		1,292		9.4	
Total shipments, intraport	828,637	143,787	972,424		13,924,399		
Total receipts and shipments, intraport	3,069,995	607,938	3,677,933		77,622,482		
LOCAL.							
Nonmetallic minerals: Lime		6,900	6,900	240,000	240,000	1.6	
Machinery and vehicles: Engines and machinery		20	20	4,000	4,000	.6	
Unclassified: Lifeboats and launches		50	50	10,000	10,000	.3	
Total local		6,970	6,970		254,000		

Cargoes in transit.

Classes and commodities.	Amount in short tons.	Value.
Nonmetallic minerals: Flagging	158	$2,425
Total	158	2,425

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HARLEM RIVER, N. Y.—continued.

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic.				Total.	
			Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animal and animal products			3,102	$6,205	5,018	$155,283	8,120	$161,488
Vegetable food products					21,717	2,437,342	21,717	2,437,342
Other vegetable products					1,197	181,700	1,197	181,700
Textiles					840	482,359	840	482,359
Wood and paper	5,474	$1,044,670	2,671	35,646	20,041	737,411	28,186	1,817,727
Nonmetallic minerals	962	33,670	633,534	5,745,619	3,716,114	28,095,978	4,350,610	33,875,267
Ores, metals and manufactures of					31,748	5,598,700	31,748	5,598,700
Machinery and vehicles			32	2,500	1,172	393,300	1,204	395,800
Chemicals					3,131	96,710	3,131	96,710
Unclassified			68,188	No value.	165,099	41,089,771	233,287	41,089,771
Total	6,436	1,078,340	707,527	5,789,970	3,966,077	79,268,554	4,680,040	86,136,864

	Short tons.	Value.
Cargoes in transit	158	$2,425
General ferry traffic	5,015	687,951

Vessel classification, 1921.

Class.	Number of Vessels.		Total Number of—		Tonnage of Vessels.		Draft (feet).	
	American.	Foreign	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Steamers	13		10,498	10,498	23	970	5	11
Towboats	150		6,000	6,000	45	186	7	14
Sailing vessels	14	3	17	17	206	840	10	16
Canal boats, lighters, barges, etc.	2,557		9,958	9,958	118	1,500	3	16
Ferry boats	2		35,084	35,084	33	50	5	7
Car floats	199		5,064	5,064	1,200	3,000	6	11
Police department—launches	2		365	365	10		4	
Fire department—steamers	5		168	168	36	256	7	13
Supervisor's steamer	1		28	28	208		12	
Miscellaneous craft	98		184	184	180	700	4	15

Passengers carried, 1,695,079.

Vessels built and launched.

Class.	Number.	Value.
Tugs	6	$20,940
Yacht	1	10,000
House boat	1	17,500

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HUDSON RIVER CHANNEL, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1914	58,644,614	$4,559,185,809	106,253,639	1918	45,483,803	$6,181,330,831	96,361,818
1915	63,458,291	6,410,144,119	69,239,416	1919	51,399,505	5,772,290,584	102,713,391
1916	68,377,558	7,339,340,857	84,470,659	1920[1]	34,726,895	5,544,151,669	82,685,739
1917	53,945,490	4,882,879,167	111,432,512	1921[1]	35,168,448	3,986,119,214	99,495,336

[1] Exclusive of the following additional traffic:

Year.	Car ferry.		Cargoes in transit.	
	Tons.	Value.	Tons.	Value.
1920	12,111,692	$3,633,507,600	4,257,312	$259,062,604
1921	12,194,793	3,658,437,900	5,499,640	149,351,781

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animal and animal products		30,496		$6,247,104
Fish	590		$93,810	
Hides	2,823		710,750	
All other	27,083		5,442,544	
Vegetable food products		219,748		22,040,840
Hay	415		8,300	
Grain	6,800		326,400	
Sugar	61,084		6,108,400	
Fruit	75		7,500	
All other	151,374		15,590,240	
Other vegetable products		7,958		2,624,142
Dyewoods	1,575		47,250	
Tobacco	1,094		313,200	
All other	5,289		2,263,692	
Textiles		6,784		3,338,750
Cotton (raw)	2,961		888,300	
Wool (raw)	115		40,250	
All other	3,708		2,410,200	
Wood and paper		9,856		367,878
Lumber and timber	1,366		29,845	
Lath	437		38,951	
Wood pulp	2,289		45,466	
All other	5,764		253,616	
Nonmetallic minerals		13,146		215,422
Salt	7,672		92,064	
Chalk and whiting	2,843		31,273	
All other	2,631		92,085	
Ores, metals and manufactures		44,454		5,829,300
Copper ore	24,000		2,400,000	
Copper (bar, sheet, etc.)	614		184,200	
Copper (ingot)	250		12,750	
All other	19,590		3,232,350	
Chemicals		56,073		3,628,834
Drugs and chemicals	10,767		409,146	
Fertilizer (chemical)	20,164		604,920	
All other	25,142		2,614,768	
Machinery and vehicles: All other	222	222	64,824	64,824
Unclassified		831,401		248,161,976
General merchandise	830,599		247,887,600	
All other	802		274,376	
Total imports		1,220,138		292,519,070

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HUDSON RIVER CHANNEL, N. Y.—continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Animals and animal products		164,366		$28,492,075
Horses	173		$55,000	
Hogs	1		105	
Fish	591		93,969	
Hides	1,253		313,250	
Leather	616		184,800	
Leather goods	150		189,000	
All other	161,582		27,655,951	
Vegetable food products		1,445,866		115,817,380
Fruit	2,497		299,047	
Vegetables	20,518		2,051,767	
Flour	73,078		5,992,396	
Grain	1,043,021		50,064,990	
Sugar	21,295		2,129,500	
All other	285,457		55,279,680	
Other vegetable products		12,172		12,010,148
Rubber goods	1,702		510,600	
Tobacco	7,554		10,251,500	
All other	2,916		1,248,048	
Textiles		19,214		14,646,296
Dry goods	5,109		3,576,300	
Clothing	427		691,740	
Cotton goods	11,832		9,264,456	
Cotton (raw)	246		73,800	
All other	1,600		1,040,000	
Wood and paper		52,381		3,567,156
Lumber and timber	7,025		155,120	
Wood pulp	22		396	
Shingles	32,500		2,210,000	
Lath	11,374		1,137,400	
All other	1,460		64,240	
Nonmetallic minerals		105,923		4,201,629
Asphalt	467		4,208	
Cement	18,594		278,910	
Lime	247		8,600	
Glassware	332		72,400	
Clay	107		2,438	
Coal	21,949		203,028	
Coke	28		210	
Oyster shells	20		80	
Lubricating oil	36,219		2,897,572	
Gasoline	1,351		113,133	
Kerosene	1,350		75,600	
Petroleum products	21,229		408,155	
Sulphur	250		5,000	
All other	3,780		132,300	
Ores, metals and manufactures		81,846		16,738,014
Aluminum (sheet, bar, etc.)	50		20,000	
Aluminum manufactures	600		360,000	
Copper	2,786		278,600	
Copper (sheet, bar, etc.)	13,569		4,070,700	
Copper (ingot)	25,892		6,781,920	
Copper manufactures	365		116,800	
Iron (sheet, bar, etc.)	1,021		153,150	
Cast iron manufactures	200		44,400	
Steel (ingot, sheet, bar)	5,932		332,192	
Steel manufactures	1,118		61,490	
Structural steel	3,644		211,352	
Wire (iron or steel)	1,380		207,000	
Lead (sheet, bar, ingot)	2,850		404,700	
Other metals (sheet, bar)	75		15,000	
Pipe (wrought iron)	700		98,100	
Pipe (cast iron)	2,100		135,200	
Pipe (steel)	539		29,106	
Hardware	5,547		1,249,434	
All other	13,478		2,223,870	
Machinery and vehicles		20,860		6,068,178
Agricultural implements	11,698		3,311,130	
Engines and machinery	5,968		1,844,400	
All other	3,194		932,648	

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HUDSON RIVER CHANNEL, N. Y.—continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Chemicals		10,836		$935,910
Drugs and chemicals	1,297		$49,286	
Alcohol and products	24		8,064	
Fertilizer (chemical)	1,500		45,000	
All other	8,015		833,560	
Unclassified		1,508,236		453,245,072
Pianos	86		61,232	
General merchandise	1,504,670		451,407,600	
All other	3,480		1,776,240	
Total exports	3,421,700			655,741,858
Total imports and exports	4,641,838			948,260,928

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents*
Animals and animal products			2,551		$916,095		
Oysters and clams		273		$21,840		194.0	6.2
Hides		1,459		364,750		591.0	
Leather goods		45		56,700		591.0	
Manure	23			34		591.0	
All other		751		472,771		591.0	
Vegetable food products			158,974		37,959,151		
Fruits		120		12,000		591.0	
Vegetables		262		261,975		852.0	
Straw		66		1,320		591.0	
Sugar		5,470		547,000		591.0	
All other		153,056		37,136,856		2,075.0	
Other vegetable products			56,617		22,877,872		
Rubber goods		2,693		807,900		591.0	
Turpentine		5,955		821,379		852.0	
Tobacco		1,255		1,255,000		591.0	
All other		46,714		19,993,593		591.0	
Textiles			165,463		73,696,000		
Dry goods		1,029		720,300		591.0	
Cotton goods		1,600		1,252,800		63.0	
Cotton (raw)		95,194		28,597,800		432.0	
Wool (raw)		3,382		1,357,400		273.0	
All other		64,258		41,767,700		591.0	
Wood and paper			183,567		4,116,048		
Lumber and timber	119,517			2,696,738		1,747.0	
Lath		445		6,000		435.0	
Piles or logs		20		800		591.0	
Ties	51,522			884,638		591.0	
All other		12,063		527,872		1,843.0	
Nonmetallic minerals			691,635		2,018,145		
Building stone		5,770		69,240		273.0	
Cement		330		4,950		591.0	
Lime		2,766		96,228		435.0	
Gravel	86,381			111,828		40.6	
Sand	557,060			563,319		40.6	
Flagging	1,611			30,608		435.0	.6
Paving blocks (stone)	4,409			36,745		435.0	.3
Salt		2,605		31,260		591.0	
Clay	152			5,425		40.0	7.5
Chalk and whiting		275		8,882		40.0	10.0
All other		30,276		1,059,660		591.0	
Ores, metals, and manufactures			85,389		14,649,370		
Aluminum (bar, sheet)		40		32,960		63.0	
Copper (sheet, bar)		840		252,000		63.0	
Cast iron manufactures		175		38,850		63.0	

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HUDSON RIVER CHANNEL, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE—contd.							
Ores, metals, and manufactures—Continued.						*Miles.*	*Cents.*
Steel manufactures		200		$11,000		63.0	
Wire (iron or steel)		50		7,500		63.0	
Hardware		7,600		1,687,200		63.0	
All other		76,484		12,619,860		2,075.0	
Machinery and vehicles			415		$123,668		
Agricultural implements		20		5,700		63.0	
Engines and machinery		331		99,300		63.0	
All other		64		18,688		460.0	
Chemicals: Unclassified		4,602	4,602	478,608	478,608	460.0	
Unclassified			587,325		280,573,384		
Pianos		140		99,680		63.0	
General merchandise		586,922		280,384,810		182.0	
All other		263		88,894		591.0	
Total receipts, coastwise	820,675	1,115,863	1,936,538		437,408,361		
SHIPMENTS, COASTWISE.							
Animals and animal products			1,819		1,437,813		
Hides		146		36,500		591.0	
Leather goods		643		810,180		502.0	
All other		1,030		591,133		591.0	
Vegetable food products			129,616		36,739,125		
Fruits		1,151		6,323,500		457.5	
Vegetables		3,664		366,397		457.5	
Flour		403		32,880		63.0	
Grain		269		12,912		852.0	
Hay		11		220		591.0	
Sugar		18,042		1,804,200		502.0	
All other		106,076		28,199,016		2,270.0	4.1
Other vegetable products			2,915		3,855,652		
Rubber goods		311		93,300		591.0	
Tobacco		2,470		3,705,000		591.0	
All other		134		57,352		591.0	
Textiles			77,965		48,455,119		
Dry goods		20,992		14,694,400		502.0	
Clothing		140		226,800		63.0	
Cotton goods		993		777,519		63.0	
Cotton (raw)		9,963		3,967,300		301.5	
Wool (raw)		12,915		8,948,800		432.0	
Rope		3,144		471,600		591.0	
All other		29,798		19,368,700		591.0	
Wood and paper: Unclassified		36,227	36,227	1,593,988	1,593,988	591.0	
Nonmetallic minerals			553,796		3,140,782		
Cement		12,762		187,822		224.0	.8
Lime		7		244		591.0	
Sewer pipe		324		8,424		591.0	
Glassware		45		2,700		63.0	
Coal	293,398			2,347,184		218.0	.6
Ashes	22,160			No value.		25.0	
Cellar dirt	204,165			No value.		25.0	
Oil (lubricating)		613		49,168		63.0	
Gasoline		133		8,445		50.9	
Kerosene		34		1,215		50.9	
Other petroleum products		23		1,020		63.0	
Chalk and whiting		4,746		5,620		51.5	2.4
Sulphur		638		12,760		591.0	
All other		14,748		516,180		591.0	
Ores, metals and manufactures			245,955		40,058,682		
Iron (pig and scrap)		500		30,000		70.0	
Iron (sheet and bar)		70		10,500		63.0	
Steel (ingot, etc.)		20		1,120		63.0	
Steel manufactures		1		55		852.0	
Structural steel		5,361		310,938		591.0	
Lead (sheet, bar)		100		14,200		63.0	
Pipe (cast iron)		60		2,520		63.0	
Hardware		2,022		448,884		591.0	
All other		237,821		39,240,465		2,075.0	
Machinery and vehicles			8,636		2,569,234		
Agricultural implements		158		45,030		591.0	
Engines and machinery		7,641		2,279,800		312.0	
All other		837		244,404		591.0	

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HUDSON RIVER CHANNEL, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, COASTWISE—contd.						*Miles.*	*Cents.*
Chemicals			48,486		$4,096,770		
Drugs and chemicals		100		$3,500		63.0	
Fertilizer (chemical)		12,731		381,930		852.0	
Alcohol products		10		3,960		63.0	
All other		35,645		3,707,080		591.0	
Unclassified			657,881		252,466,185		
Pianos		10		7,120		63.0	
General merchandise		565,742		249,989,975		1,104.0	
Garbage	84,824			No value.		25.0	
All other		7,305		2,469,090		591.0	
Total coastwise shipments	604,547	1,158,749	1,763,296		394,413,350		
Total coastwise receipts and shipments	1,425,222	2,274,612	3,699,834		831,821,711		
INTERNAL RECEIPTS.							
Animal and animal products			7,297		3,429,334		
Horses		822		657,600		86.0	
Cattle		43		20,170		100.0	
Hides		596		149,000		64.0	4.4
Leather		2		600		101.0	
All other		5,834		2,601,964		94.0	
Vegetable food products			99,257		13,856,056		
Fruits		21,762		2,068,263		94.0	5.3
Vegetables		208		20,558		94.0	
Flour		199		12,194		102.0	3.7
Grain		14,057		674,736		232.0	
Hay		10,961		242,670		94.0	4.5
Straw		1,830		38,200		94.0	5.0
Sugar		8,230		823,000		90.0	
All other		42,010		9,976,435		114.0	
Other vegetable products			1,283		1,601,850		
Rubber goods		2		600		98.0	
Tobacco		1,281		1,601,250		97.0	
Textiles			20,844		14,149,483		
Dry goods		1,910		1,158,300		85.0	6.0
Clothing		95		154,000		135.0	4.7
Cotton goods		4,996		3,911,868		61.0	1.6
Cotton (raw)		121		36,300		94.0	
Wool (raw)		116		40,600		94.0	
All other		13,606		8,848,415		79.0	5.1
Wood and paper			15,633		866,891		
Lumber and timber		257		5,654		95.0	
Cord wood		1,453		4,361		119.0	
All other		13,923		856,876		98.0	3.2
Nonmetallic minerals			387,215		2,836,396		
Asphalt		121		1,089		94.0	
Brick (building)	180,096			1,530,816		91.0	1.6
Brick (fire)		207		3,519		43.0	5.5
Cement		91,192		968,084		105.0	1.1
Lime		1,611		48,413		32.0	
Crushed stone	105,206			130,294		37.0	.8
Flagging		2,735		35,434		100.0	
Salt		435		5,220		93.0	
Glassware		63		3,780		99.0	
Moulding sand	2,543			4,700		159.0	.7
Petroleum products		10		187		101.0	
All other		2,996		104,860		94.0	
Ores, metals and manufactures			12,284		1,701,627		
Copper ore	248			24,800		88.0	
Iron ore	2,200			8,800		506.0	
Iron (sheet, bar, etc.)		2,482		372,300		94.0	
Cast iron manufactures		1,839		407,378		68.0	4.7
Steel manufactures		1		55		101.0	
Pipe (cast iron)		1,023		139,128		88.0	
Hardware		143		31,746		93.0	
All other		4,348		717,420		95.0	
Machinery and vehicles			2,928		860,244		
Agricultural implements		65		18,500		75.0	9.0
All other		2,863		841,744		85.0	2.9

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HUDSON RIVER CHANNEL, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INTERNAL RECEIPTS—contd.						*Miles.*	*Cents.*
Chemicals			2,439		$225,825		
Drugs and chemicals		2		376		96.0	
Coal tar		26		387		114.0	
Fertilizer (chemical)		343		10,290		94.0	
All other		2,068		215,072		94.0	
Unclassified			112,052		12,129,543		
Ice		72,316		222,891		94.0	
General and miscellaneous		39,682		11,888,400		67.0	
All other		54		18,252		97.0	
Total receipts, internal	290,293	370,939	661,232		51,657,249		
INTERNAL SHIPMENTS.							
Animals and animal products			4,271		2,135,548		
Horses		1,115		823,800		86.0	
Fish		150		23,850		72.0	5.0
Oysters and clams		40		4,230		103.0	2.6
Leather		285		85,500		94.0	
Leather goods		3		3,780		101.0	
All other		2,678		1,194,388		96.0	
Vegetable food products			46,273		9,734,151		
Fruit		160		16,000		97.0	5.2
Vegetables		713		71,508		83.0	2.7
Flour		1,001		82,082		84.0	3.8
Grain		47		2,256		85.0	2.8
Hay		64		1,280		87.0	2.8
Straw		3		60		43.0	5.9
Sugar		8,859		885,900		93.0	3.8
Beer and ale		21		840		43.0	7.4
All other		35,405		8,674,225		72.0	4.4
Other vegetable products			1,332		1,242,703		
Rubber goods		441		132,300		86.0	5.6
Turpentine		2		318		92.0	
Tobacco		888		1,110,000		96.0	
All other		1		85		151.0	4.0
Textiles			13,279		9,437,395		
Dry goods		553		387,100		96.0	
Clothing		1,481		2,399,220		68.0	6.5
Cotton goods		449		413,736		115.0	6.5
Cotton (raw)		1,861		438,240		94.0	2.5
Rope		105		15,750		95.0	
All other		8,890		5,783,349		98.0	
Wood and paper			11,065		680,538		
Paving blocks (wood)	30			960		101.0	
Lumber and timber		595		14,014		90.0	6.0
Shingles		11		748		43.0	
Ties	124			1,984		101.0	
Wood pulp		1,831		96,800		158.0	.5
All other		8,474		566,032		102.0	2.9
Nonmetallic minerals			72,912		797,606		
Asphalt		346		3,123		92.0	
Marble		3		150		100.0	
Cement		1,580		23,700		107.0	
Lime		602		21,070		92.0	
Rip rap	6,080			9,120		118.0	
Paving blocks (asphalt)	1			91		90.0	2.6
Sewer pipe		1		20		101.0	
Salt		114		1,368		87.0	3.7
Glassware		489		29,340		86.0	7.4
Clay	25			250		98.0	
Coal	58,014			507,622		72.0	2.1
Oyster shells		2		8		43.0	7.4
Lubricating oil		1,286		103,001		67.0	
Other petroleum products	1,007			19,133		69.0	7.4
Chalk and whiting		1,168		13,528		80.5	1.7
All other		2,194		66,062		150.0	2.6
Ores, metals, and manufactures			8,130		1,460,373		
Copper (ingot)		3		647		60.0	8.0
Copper, manufactures		14		4,398		81.0	8.0
Iron (sheet, bar, etc.)		36		4,595		84.0	6.8
Cast iron manufactures		733		163,182		77.0	6.7
Steel (ingot, sheet, bar)		995		56,419		78.0	7.5
Steel manufactures		783		45,718		66.0	7.6

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HUDSON RIVER CHANNEL, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INTERNAL SHIPMENTS—contd.							
Ores, metals, and manufactures—Continued.						*Miles.*	*Cents.*
Structural steel		11		$629		60.0	6.7
Wire (iron or steel)		31		4,545		52.0	6.7
Lead (sheet, bar, ingot)		241		34,188		88.0	7.7
Lead manufactures		66		11,220		72.0	7.4
Other metals (sheet, bar)		2,226		445,200		94.0	
Other metal manufactures		966		289,588		85.0	6.7
Pipe (wrought iron)		821		109,054		75.0	7.1
Pipe (cast iron)		15		2,040		43.0	6.5
Pipe (steel)		4		376		60.0	10.0
Hardware		657		145,799		80.0	8.6
All other		528		142,775		89.0	9.5
Machinery and vehicles			4,505		$1,325,666		
Agricultural implements		400		114,000		98.0	
Engines and machinery		1,561		468,547		91.0	10.0
All other		2,544		743,119		95.0	9.8
Chemicals			15,438		834,706		
Drugs and chemicals		6,732		255,936		86.0	9.9
Coal tar		4		48		101.0	
Fertilizer (chemical)		3,744		41,143		105.0	2.9
Alcohol and products		82		27,216		94.0	
All other		4,876		510,363		136.0	7.4
Unclassified			42,245		12,803,886		
Pianos		286		203,632		94.0	
General and miscellaneous		41,596		12,477,762		71.0	6.7
All other		363		122,492		148.0	10.0
Total shipments, internal	65,281	154,169	219,450		40,452,572		
Total receipts and shipments, internal	355,574	525,108	880,682		92,109,821		
RECEIPTS, INTRAPORT.							
Animals and animal products			48,148		12,327,894		
Fish		545		49,403		6.8	
Hides		35,901		8,103,450		6.5	
All other		11,702		4,175,041		8.8	16.5
Vegetable food products			261,236		39,682,900		
Fruits		4,417		388,295		7.3	
Flour		21,077		2,512,168		7.0	
Grain		1,088		45,366		8.5	
Sugar		139,427		20,390,063		10.2	17.4
Wine		19		33,936		5.0	
All other		95,208		16,513,072		8.2	15.7
Other vegetable products			65,637		7,650,894		
Rubber goods		5,550		1,665,000		6.8	28.0
Turpentine		67		90,708		5.0	
Dye woods		1,062		31,860		8.5	
Tobacco		8,148		3,440,000		13.0	9.1
All other		50,810		2,423,326		7.4	20.0
Textiles			62,299		17,903,195		
Dry goods		700		490,000		5.0	
Clothing		300		486,000		5.0	
Cotton (raw)		8,782		2,291,800		5.9	28.2
Wool (raw)		4,682		759,700		6.8	
Rope		5,982		846,900		6.3	28.0
All other		41,853		13,118,795		10.8	23.7
Wood and paper			53,452		3,287,738		
Lumber and timber		2,973		63,709		8.7	27.8
Piles or logs	6,920			55,000		6.0	
Cord wood		28		190		5.0	
Wood pulp		11,766		787,870		5.2	
All other		31,765		2,380,969		7.5	24.1
Nonmetallic minerals			4,450,804		74,043,595		
Asphalt		3,762		70,299		10.1	
Brick (building)	756			6,426		23.5	
Brick (hollow tile)		2,062		26,262		25.0	
Marble		22,472		4,096,774		8.3	21.8
Sand	21,870			21,670		30.0	
Paving blocks (asphalt)	21,246			232,142		20.0	
Glassware		535		42,000		5.0	
Clay	4,225			12,008		17.5	
Clay manufactures		307		18,727		8.5	

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HUDSON RIVER CHANNEL, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT—contd.							
Nonmetallic minerals—Con.						*Miles.*	*Cents.*
Coal	3,291,594			$24,950,283		20.5	2.0
Coke	3,531			26,482		16.5	
Ashes	32,562			5,635		5.0	
Molding sand	5,219			25,000		30.0	
Lubricating oil		117,055		7,106,935		11.2	16.7
Gasoline		184,552		14,292,285		9.8	
Kerosene		128,239		7,119,152		8.5	
Other petroleum products	246,641	133,342		11,326,182		8.6	
Chalk and whiting	7,880			213,305		7.5	
Sulphur		36,708		822,361		7.3	
All other		186,246		3,629,667		8.5	9.1
Ores, metals and manufactures			360,034		$55,497,210		
Slag	6,033			9,049		9.0	
Copper ore	1,308			301,500		5.0	16.0
Copper (sheet, bar, wire)		42,202		12,657,900		10.0	20.3
Copper, ingot		154,710		32,728,594		16.1	14.3
Copper manufactures		2,780		889,600		9.0	44.4
Iron ore	2,163			8,652		5.0	
Iron (pig and scrap)	59,537			1,459,830		5.9	
Iron oxide	45			855		8.5	
Iron (mine tailings)	18,151			27,226		9.0	
Steel (ingot, sheet, bar)		9,022		478,681		15.1	12.2
Steel manufactures		4,541		176,083		13.9	
Structural steel		634		32,092		13.9	
Wire (iron and steel)		27		5,450		8.5	16.5
Lead (sheet, bar, ingot)		341		27,590		13.4	6.9
Lead manufactures		615		99,000		5.0	
Other metals (sheet, bar, etc.)		684		136,800		19.2	9.9
Pipe (wrought iron)		174		23,142		8.0	
Pipe (cast iron)		158		21,488		8.0	
Pipe (steel)		78		6,000		16.3	
All other		56,839		6,407,778		10.2	16.5
Machinery and vehicles			3,917		1,220,799		
Engines and machinery		3,069		974,655		8.1	9.3
All other		848		246,144		5.0	28.0
Chemicals			183,301		12,488,791		
Drugs and chemicals		7,187		591,704		9.9	
Coal tar	31,174			371,773		5.0	14.0
Fertilizer (chemical)		4,313		152,336		12.5	20.0
Alcohol and products		139		3,333		21.8	
All other		140,488		11,369,645		8.4	19.5
Unclassified			751,255		228,168,213		
Ice	1,345			4,036		14.0	
Pianos		236		182,650		5.0	
General and miscellaneous		737,669		223,908,491		11.0	26.5
All other		12,005		4,073,036		7.6	
Total receipts, intraport	3,762,200	2,477,891	6,240,091		452,361,229		
SHIPMENTS, INTRAPORT.							
Animals and animal products			313,700		110,457,652		
Horses		1		1,000		17.0	
Cattle		161,671		84,783,538		5.0	15.0
Sheep		29,927		14,788,634		5.0	
Hogs		4,164		1,217,884		5.0	
Fish		20		2,000		15.0	
Hides		20		2,400		9.0	13.3
Leather		940		387,000		10.2	
Leather goods		3,881		4,890,020		9.3	
Manure	24,724			37,086		6.0	
All other		88,352		4,348,090		9.6	22.0
Vegetable food products			781,697		96,063,313		
Fruits		6,214		562,042		10.2	
Vegetables		2,400		205,277		10.1	
Flour		303,054		24,717,284		8.9	22.0
Grain		132,811		6,306,683		8.4	20.8
Hay		1,793		56,560		8.7	28.0
Sugar		860		86,000		12.7	
Wine		2,593		4,398,569		7.8	
All other		331,972		59,730,898		8.6	28.8

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HUDSON RIVER CHANNEL, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTRAPORT—contd.						*Miles.*	*Cents.*
Other vegetable products			85,735		$22,127,847		
Rubber goods		43,888		$13,002,157		12.0	
Turpentine		20,230		2,821,853		9.7	28.0
Dyewood		100		6,000		7.0	35.7
Tobacco		2,985		2,915,940		9.4	
All other		18,532		3,381,897		10.2	24.2
Textiles			66,567		25,355,204		
Dry goods		11		19,809		9.8	
Cotton goods		18,849		7,320,988		10.7	
Clothing		202		110,200		5.0	
Cotton (raw)		18,540		5,014,232		6.0	27.1
Wool (raw)		4,869		1,703,850		9.0	28.0
Rope		2,563		353,302		10.8	
All other		21,533		10,832,823		8.1	23.8
Wood and paper			363,267		11,645,752		
Paving blocks (wood)	1,875			45,000		5.0	
Lumber and timber		281,799		7,298,486		13.6	19.2
Shingles		1,757		66,569		21.7	
Lath		65		5,756		8.0	
Piles or logs		7,850		1,149,184		13.9	
Ties		14,012		233,827		10.7	
Cordwood		305		1,417		11.5	
Wood pulp		1,296		138,932		10.8	
All other		54,308		2,706,581		10.2	31.5
Nonmetallic minerals			8,632,400		83,087,961		
Asphalt		9,072		434,658		5.0	
Brick (fire)		2,983		70,664		7.6	16.0
Marble		20,237		885,200		9.6	
Building stone		6,810		81,106		11.9	11.1
Cement		383,789		13,753,425		9.5	16.7
Lime		4,536		139,293		9.8	16.0
Riprap	501			744		5.0	
Paving blocks (stone)		720		2,075		15.0	
Salt		41,619		511,243		9.3	24.9
Glassware		602		24,935		9.0	
Clay	9,219			572,637		7.8	11.4
Clay manufactures		2,961		53,719		11.6	
Coal	5,935,631			44,992,083		20.5	2.0
Ashes	1,427,335			214,161		13.8	
Lubricating oil		30,458		2,697,155		9.2	
Gasoline		5,366		470,673		11.0	
Kerosene		3,715		201,808		5.0	
Other petroleum products	659,636	13,233		16,358,348		9.2	40.0
Chalk and whiting		30,493		285,937		14.7	4.0
All other		43,484		1,338,097		12.0	27.6
Ores, metals and manufactures			660,074		61,690,815		
Copper ore	63,294			6,123,110		17.9	9.6
Copper (sheet, bar, wire)		7,558		1,944,260		8.8	22.2
Copper ingot		2,062		545,720		9.5	4.0
Copper manufactures		475		152,000		5.5	
Iron ore	10,858			195,783		14.2	13.0
Iron (pig and scrap)	10,716			254,920		19.4	9.3
Iron (sheet, bar, etc.)		18,670		844,200		11.4	
Cast iron manufactures		1,891		431,171		13.5	17.0
Steel (ingot, sheet, bar, etc.)		63,717		3,508,640		9.6	
Steel manufactures		7,101		455,799		6.9	
Structural steel		183,399		7,230,246		9.9	
Wire (iron or steel)		21,853		2,236,410		9.1	
Lead (sheet, bar, ingot)		28,294		4,127,564		15.3	
Lead manufactures		7,152		1,215,799		8.3	
Other metals (sheet, bar, etc.)		2,042		408,400		12.8	
Pipe (wrought iron)		31,368		2,353,723		9.5	
Pipe (cast iron)		14,689		1,432,248		13.0	
Pipe (steel)		12,160		943,604		6.1	20.0
Hardware		7,974		1,754,908		15.8	6.9
All other		164,801		25,532,310		11.7	25.5
Machinery and vehicles			64,789		11,667,382		
Agricultural implements		2,050		584,250		8.5	
Engines and machinery		54,276		8,336,420		7.7	
All other		8,463		2,746,712		6.2	

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HUDSON RIVER CHANNEL, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTRAPORT—contd.						*Miles.*	*Cents.*
Chemicals			102,991		$4,775,667		
Drugs and chemicals		42,565		$1,843,740		10.4	13.3
Coal tar	12,000			144,000		5.0	14.0
Fertilizer (chemical)		4,740		190,520		16.3	
Alcohol and products		1,090		362,578		11.5	
All other		42,596		2,284,829		10.2	20.5
Unclassified			625,675		207,020,029		
Pianos		346		285,520		11.8	
General and miscellaneous		622,011		205,246,110		13.2	29.0
Garbage	288			53		22.6	
All other		3,030		1,488,346		11.3	4.0
Total shipments, intraport	8,156,077	3,540,818	11,696,895		633,891,622		
Total receipts and shipments, intraport	11,918,277	6,018,709	17,936,986		1,086,252,851		
LOCAL.							
Animal and animal products			236,850		105,548,163		
Horses		358		286,400		1.0	
Cattle		71,038		32,592,530		2.3	38.3
Sheep		3,246		2,300,813		3.0	
Hogs		2,025		303,690		3.0	
Fish		1,694		608,064		2.0	
Hides		13,213		1,303,000		2.0	
Leather		385		385,000		2.0	
Leather goods		37		46,620		2.8	
Manure	3,797			5,696		1.0	
All other		141,057		67,716,350		1.5	65.2
Vegetable food products			732,597		61,796,267		
Fruits		4,296		343,303		2.0	
Vegetables		103,201		3,861,997		2.0	30.0
Flour		271,027		20,516,165		2.0	46.7
Grain		5,113		1,116,048		2.0	30.0
Hay		6,552		203,930		2.0	
Sugar		47,345		4,366,500		2.0	70.0
All other		295,063		31,388,324		2.8	53.5
Other vegetable products			37,593		15,624,281		
Rubber goods		1,051		193,500		2.0	30.0
Turpentine		152		23,014		1.5	70.0
Dyewoods		1,260		48,600		2.0	
Tobacco		6,008		5,974,350		2.0	
All other		29,122		9,384,817		1.6	66.7
Textiles			99,267		47,361,905		
Dry goods		10,900		16,321,000		2.0	30.0
Clothing		2,018		3,269,160		2.0	30.0
Cotton goods		3,399		3,545,040		2.0	30.0
Cotton (raw)		43,931		12,571,375		1.8	70.0
Wool (raw)		14,108		3,747,800		2.0	70.0
Rope		10,220		524,040		2.0	
All other		14,691		7,383,490		2.3	70.0
Wood and paper			83,303		8,589,987		
Lumber and timber	33,760			842,294		2.4	70.0
Shingles		4,650		139,500		2.0	
Piles or logs		1,265		50,600		2.0	
Cord wood		199		1,349		2.0	
Wood pulp		3,741		299,153		2.4	44.4
All other		39,688		7,256,996		1.9	70.0
Nonmetallic minerals			2,599,593		25,932,021		
Asphalt		2,358		117,900		2.0	
Brick (fire)		1,942		16,840		2.0	
Marble		790		228,800		2.0	
Building stone		500		6,000		2.0	
Cement		249,512		4,146,327		2.3	54.0
Lime		5,130		122,000		2.0	30.0
Gravel	4,000			6,000		2.0	30.0
Sand	800			800		2.0	30.0
Riprap	7,326			5,233		3.0	
Salt		1,149		25,592		2.0	70.0

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HUDSON RIVER CHANNEL, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
LOCAL—continued.							
Nonmetallic minerals—Contd.						*Miles.*	*Cents.*
Glassware		480		$39,500		2.0	40.0
Clay		1,895		48,240		2.0	
Coal	2,244,906			15,299,970		3.1	16.5
Ashes	4,199			630		2.0	
Lubricating oil		55,176		4,734,350		2.0	30.0
Petroleum products	202			3,771		2.0	
Chalk and whiting		1,908		41,838		2.0	
Sulphur		4,328		98,160		2.0	
All other		12,992		990,070		2.6	70.0
Ores, metals and manufactures			413,125		$33,464,029		
Slag	300			15,000		2.0	
Aluminum (sheet, bar, ingot)		508		602,500		2.1	
Copper ore	3,468			774,000		2.0	70.0
Copper (sheet, bar, wire)		3,643		617,800		2.0	40.0
Copper (ingot)		6,000		1,200,000		2.0	
Iron ore	9,100			546,000		2.0	
Iron (pig and scrap)	43,145			1,077,825		2.0	
Iron (sheet, bar, etc.)		39,746		1,340,260		1.8	
Steel (sheet, bar, ingot)		104,351		5,227,872		2.1	
Steel manufactures		15,072		753,600		2.0	
Structural steel		53,693		3,157,774		2.0	
Wire (iron or steel)		47,153		3,154,400		2.0	
Lead (sheet, bar, ingot)		2,113		213,560		2.0	50.0
Lead manufactures		1,850		314,500		2.0	
Other metals (sheet, bar, etc.)		8,658		4,908,600		2.0	
Pipe (wrought iron)		18,652		1,915,956		2.0	30.0
Pipe (cast iron)		1,869		140,200		2.0	
Pipe (steel)		12,309		489,272		2.0	
Hardware		285		63,270		2.0	
All other		41,210		6,951,640		2.5	70.0
Machinery and vehicles			47,916		24,485,998		
Agricultural implements		1,988		818,000		2.0	
Engines and machinery		42,488		21,436,190		2.4	50.0
All other		3,440		2,231,808		2.0	
Chemicals			51,944		8,048,340		
Drugs and chemicals		18,999		2,472,396		2.0	
Fertilizer (chemical)		11,080		442,700		2.0	70.0
Alcohol and products		1,625		708,204		2.0	
All other		20,240		4,425,040		2.1	70.0
Unclassified			3,706,920		696,823,012		
Ice		600		12,000		2.0	30.0
Pianos		397		366,800		2.0	65.0
General merchandise		3,701,503		695,173,200		2.0	70.0
All other		4,420		1,271,012		1.9	70.0
Total	2,355,003	5,654,105	8,009,108		1,027,673,903		

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HUDSON RIVER CHANNEL, N. Y.—continued.

Cargoes in transit.

Classes and commodities.	Amount in short tons.	Value.
Animal and animal products:		
Fish	78	$12,402
Leather goods	19	23,940
Vegetable food products:		
Fruits	375	23,000
Flour	110	8,976
Grain	358,360	17,201,292
Hay	25	500
Sugar	672,187	70,136,989
All other	22,892	5,576,936
Other vegetable products:		
Rubber goods	72	21,600
All other	956	38,648
Textiles:		
Dry goods	20	14,000
Cotton goods	38	124,528
All other	2,109	773,187
Wood and paper:		
Lumber and timber	109,685	3,132,881
Shingles	1,385	53,689
Lath	5,806	560,246
Cord wood	188	1,335
Wood pulp	33,646	1,496,580
All other	8,954	481,316
Nonmetallic minerals:		
Asphalt	8,812	105,439
Brick (building)	714,647	4,415,251
Brick (hollow tile)	995	13,648
Cement	284,007	3,899,604
Gravel	15,955	20,253
Sand	16,341	17,569
Crushed stone	1,845,143	2,530,646
Flagging	13,268	164,784
Paving blocks (asphalt)	63,406	1,063,595
Sewer pipe	36,667	733,340
Salt	63,480	664,800
Clay	21,804	211,958
Coal	432,672	1,372,755
Moulding sand	21,118	69,242
Lubricating oil	7,635	252,256
Nonmetallic minerals—Con.		
Gasoline	40,007	$3,333,921
Kerosene	16,149	889,141
Other petroleum products	287,649	13,708,685
Chalk and whiting	300	5,540
Sulphur	34,980	670,440
All other	15,220	270,281
Ores, metals and manufactures:		
Copper (sheet, bar, and wire)	11,767	3,389,300
Copper (ingots)	2,780	722,800
Iron ore	2,336	56,800
Iron (pig and scrap)	27,317	682,925
Iron (sheet, bar)	960	6,760
Iron oxide	136	1,778
Iron (mine tailings)	1,179	1,769
Cast-iron manufactures	49	3,000
Steel (ingot, sheet, bar)	2,140	119,840
Structural steel	4,963	251,750
Wire (iron or steel)	15	2,250
Lead (sheet, bar, ingot)	3,710	498,649
Lead manufactures	1	224
Hardware	28	3,400
All other	4,212	848,415
Machinery and vehicles:		
Engines and machinery	518	247,401
All other	500	785,000
Chemicals:		
Drugs and chemicals	522	19,836
Fertilizer (chemical)	250	6,825
All other	16,509	1,517,084
Unclassified:		
Ice	243,471	788,184
Pianos	1	712
General merchandise	18,295	5,031,036
All other	801	270,850
Total	5,499,640	149,351,781

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HUDSON RIVER CHANNEL, N. Y.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animal and animal products	30,496	$6,247,104	164,366	$28,492,075	4,370	$2,353,908	610,226	$233,898,591	809,498	$270,991,678
Vegetable food products	219,748	22,040,840	1,445,856	115,817,380	288,590	74,698,276	1,921,060	221,132,687	3,875,264	433,689,183
Other vegetable products	7,958	2,624,142	12,172	12,010,148	59,532	26,733,524	191,580	48,247,575	271,242	89,615,389
Textiles	6,784	3,338,750	19,214	14,646,296	243,428	122,151,119	262,256	114,297,182	531,682	254,433,347
Wood and paper	9,856	367,878	52,381	3,567,156	219,794	5,710,036	526,720	25,070,806	808,751	34,715,876
Nonmetallic minerals	13,146	215,422	105,923	4,201,629	1,245,431	5,158,927	16,142,924	186,697,579	17,507,424	196,273,557
Ores, metals and manufactures	44,454	5,829,300	81,846	16,738,014	331,344	54,708,052	1,453,655	153,814,054	1,911,299	231,089,420
Chemicals	56,073	3,628,834	10,836	935,910	53,088	4,575,378	356,113	26,373,329	476,110	35,513,451
Machinery and vehicles	222	64,824	20,860	6,088,178	9,051	2,692,922	124,055	39,560,089	154,188	48,406,013
Unclassified	831,401	248,161,976	1,508,236	453,245,072	1,245,206	533,039,569	5,238,147	1,156,944,683	8,822,990	2,391,391,300
Total	1,220,138	292,519,070	3,421,700	655,741,858	3,699,834	831,821,711	26,826,776	2,206,036,575	35,168,448	3,986,119,214

	Short tons.	Value.
Car ferry	12,194,793	$3,658,437,900
Cargoes in transit	5,498,640	149,351,781

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HUDSON RIVER CHANNEL, N. Y.—continued.

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Steamers	619	211	13,357	13,560	60	23,022	4	38
Towboats	.....	.....	.....	.....	22	186	4	14
Sailing vessels	59	8	177	177	40	1,200	3	16
Canal boats, lighters, barges, etc	31,672	.....	119,553	119,553	50	1,800	3	19
Ferry boats	56	.....	663,927	663,927	501	1,483	8	17
Car floats	360	.....	53,390	53,390	1,200	3,000	6	11
Police department—								
Steamers	1	.....	365	365	.....	400	.....	17
Launches	2	.....	730	730	13	13	.....	5
Fire department: Steamers	10	.....	756	756	36	326	7	15
Supervisor: Steamers	1	.....	55	55	.....	208	.....	12
Miscellaneous craft	78	.....	1,394	1,394	10	1,000	2	14
Unregistered: Canal boats, lighters, barges, etc	280	.....	7,511	7,511	40	500	3	10

Passengers carried, 99,495,336.

The following vessels visited repair yards on this waterway:

Class.	American.	Foreign.
Steamers	209	19
Towboats	421	.....
Sailing vessels	24	3
Canal boats	144	.....
Miscellaneous craft	175	.....

BUTTERMILK CHANNEL, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.
1920 [1]	3,002,388	$621,178,319
1921 [1]	2,059,129	$421,961,327

[1] Exclusive of following traffic:

Year.	Car ferry.		Cargoes in transit.	
	Tons.	Value.	Tons.	Value.
1920	38,475	$11,542,500	994,000	$85,746,090
1921	53,623	16,086,900	760,366	54,483,231

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BUTTERMILK CHANNEL, N. Y.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products		14,623		$3,685,050
Hides	14,037		$3,509,250	
All other	586		175,800	
Vegetable food products		87,288		12,090,664
Fruits	5,795		475,590	
Sugar	65,244		6,524,400	
All others	16,249		5,090,674	
Other vegetable products		10,557		5,765,740
Turpentine	57		7,800	
Dyewoods	4,503		135,090	
Tobacco	5,997		5,622,850	
Textiles		3,592		1,155,100
Wool (raw)	1,550		542,500	
Cotton (raw)	2,036		610,800	
All other	6		1,800	
Wood and paper: Piles or logs	95,200	95,200	8,518,000	8,518,000
Ores, metals and manufactures		43,238		6,716,098
Copper ore	20,000		2,000,000	
Copper (sheet, bar, wire)	6,116		1,834,800	
Copper (ingot)	3,800		988,000	
Lead (sheet, bar, ingot)	13,219		1,877,098	
All other	103		16,200	
Chemicals		7,042		221,208
Fertilizer (chemical)	6,000		180,000	
Alcohol and products	991		39,270	
All other	51		1,938	
Unclassified: General merchandise	204,490	204,490	61,347,000	61,347,000
Total imports		466,030		99,498,860
EXPORTS.				
Animals and animal products		21,025		11,042,328
Horses	3		1,500	
Fish	8,076		1,284,084	
Leather	10		3,000	
All other	12,936		9,753,744	
Vegetable food products		32,501		3,303,734
Fruits	657		43,800	
Vegetables	912		271,970	
Flour	6,769		703,592	
Straw	3,216		64,320	
Sugar	2,085		208,500	
Beer and ale	2		200	
All other	18,860		2,011,352	
Other vegetable products: Rubber goods	160	160	48,000	48,000
Textiles		8,634		5,141,067
Dry goods	4,128		2,889,600	
Clothing	203		328,860	
Cotton goods	1,929		1,510,407	
Rope	2,000		300,000	
All other	374		112,200	
Wood and paper		391		67,260
Lumber and timber	180		3,960	
All other	211		63,300	
Nonmetallic minerals		112,525		1,461,940
Asphalt	360		3,240	
Brick (building)	286		2,431	
Brick (fire)	254		4,318	
Cement	30,496		457,440	
Lime	329		7,454	
Glassware	600		36,000	
Coal	1,079		8,185	
Lubricating oil	3,712		301,380	
Gasoline	2,455		208,750	
Kerosene	67,500		380,000	
Petroleum products	5,454		52,742	
Ores, metals and manufactures		191,465		11,593,241
Aluminum (sheet, bar, etc.)	10		4,000	
Iron (sheet, bar, etc.)	6,000		900,000	
Cast-iron manufactures	1,800		399,600	
Steel (ingot, sheet, bar)	127,225		7,124,600	

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BUTTERMILK CHANNEL, N. Y.—continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Ores, metals and manufactures—Continued.				
Steel manufactures	35,522		$1,953,710	
Structural steel	8,154		472,932	
Lead (sheet, bar, ingot)	102		14,484	
Other metal manufactures	1,000		300,000	
Pipe (wrought iron)	399		13,965	
Hardware	10,000		222,000	
All other	1,253		187,950	
Machinery and vehicles		38,466		$11,299,080
Agricultural implements	16,048		4,573,680	
Engines and machinery	22,418		6,725,400	
Chemicals		5,940		676,670
Drugs and chemicals	258		9,804	
Coal tar	15		180	
Fertilizer (chemical)	4,759		142,770	
All other	908		523,916	
Unclassified		846,026		253,873,720
Pianos	160		113,920	
General merchandise	845,866		253,759,800	
Total exports		1,257,133		298,507,040
Total imports and exports		1,723,163		398,005,900

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	*Cents.*
Nonmetallic minerals: Brick (building)		1,037	1,037	$14,125	$14,125	93.0	
SHIPMENTS, INTERNAL.							
Wood and paper: Wood pulp		1,254	1,254	65,820	65,820	167.0	0.7
Total receipts and shipments, internal		2,291	2,291		79,945		
RECEIPTS, INTRAPORT.							
Animals and animal products			349		273,420		
Hides		132		46,750		2.5	
Leather goods		162		204,120		2.5	
All other		55		22,550		5.0	
Vegetable food products			16,731		1,302,275		
Flour		3		390		5.0	
Sugar		8,713		174,260		3.5	
All other		8,015		1,127,625		7.6	41.3
Other vegetable products			254		51,718		
Tobacco		15		18,750		5.0	
All other		239		32,968		5.0	28.0
Textiles			7,392		2,204,744		
Cotton goods		3,601		1,080,300		5.0	
Cotton (raw)		2,184		655,200		4.1	37.3
Wool		50		17,500		5.0	
All other		1,557		451,744		4.3	37.3
Wood and paper			12,178		264,815		
Lumber and timber		10,878		239,694		5.0	28.0
Ties		1,220		19,521		5.0	
Wood pulp		80		5,600		5.0	
Nonmetallic minerals			197,786		8,085,153		
Asphalt		400		3,600		5.0	
Brick (fire)		89		1,734		20.5	

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BUTTERMILK CHANNEL, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT—contd.							
Nonmetallic minerals—Con.						*Miles.*	*Cents.*
Marble and stone		50		$2,500		5.0	
Cement		5,767		88,052		5.0	
Clay		10		150		20.5	
Lubricating oil		19,296		1,543,194		3.9	48.0
Gasoline		13,652		1,137,883		5.0	
Coal	21,798			174,384		10.6	
Kerosene		13,991		850,681		5.0	
Other petroleum products		777		14,515		4.0	
All other		121,956		4,268,460		17.6	
Ores, metals and manufactures			6,666		$1,819,266		
Copper (sheet, bar, wire)		807		242,100		5.0	20.0
Copper (ingots)		3,568		927,680		9.5	
Copper (manufactures)		697		223,040		6.0	
Steel manufactures		113		188,282		3.8	
Structural steel		5		290		5.0	
Wire (iron or steel)		275		41,250		5.0	
Other metals (sheet, bar, etc.)		77		15,400		5.0	
Pipe (steel)		68		5,984		5.0	
All other		1,056		175,240		9.3	4.2
Machinery and vehicles: Machinery		458	458	180,300	180,300	4.1	
Chemicals			8,697		839,344		
Drugs and chemicals		100		3,800		12.0	
Fertilizer (chemical)		760		20,620		14.5	
All other		7,837		814,924		9.0	
Unclassified			811		243,300		
General and miscellaneous		798		239,400		4.0	
All other		13		3,900		5.0	
Total receipts, intraport	21,798	229,524	251,322		15,264,335		
SHIPMENTS INTRAPORT.							
Animals and animal products: Honey		21	21	9,366	9,366	5.0	
Vegetable food products			9,542		2,168,324		
Coffee		1,501		341,087		5.0	
All other		8,041		1,827,237		5.0	
Other vegetable products			373		404,341		
Tobacco		321		401,250		5.0	
All other		52		3,091		5.0	24.0
Textiles			5,913		1,800,007		
Cotton (raw)		5,857		1,757,100		5.0	
All other		56		42,907		4.2	36.0
Wood and paper			2,696		113,545		
Lumber and timber		75		1,650		4.6	
Cordwood		280		1,900		4.6	
Wood pulp		259		12,030		3.8	
All other		2,682		97,965		4.3	32.0
Nonmetallic minerals			19,517		159,346		
Coal	19,463			155,704		4.0	
Lubricating oil		54		3,642		5.0	32.0
Ores, metals and manufactures			40,403		3,516,430		
Copper ore		28,207		1,788,566		9.5	20.0
Iron ore		2,145		8,580		5.0	
Lead (sheet bar, etc.)		110		8,764		5.0	28.0
All other		9,941		1,710,520		9.2	
Machinery and vehicles: Machinery		150	150	65,470	65,470	2.8	
Chemicals			2,710		185,542		
Fertilizer (chemical)		1,408		69,206		9.8	
All other		1,302		116,336		5.0	28.0
Unclassified			355		139,600		
General and miscellaneous		296		88,800		3.5	
All other		59		50,800		5.0	28.0
Total shipments, intraport	19,463	62,217	81,680		8,561,971		
Total receipts and shipments, intraport	41,261	291,741	333,002		23,826,306		

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BUTTERMILK CHANNEL, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
LOCAL.						*Miles.*	*Cents.*
Wood and paper: Paper		606	606	$26,664	$26,664	.3	
Chemicals: Alcohol and products		67	67	22,512	22,512	.5	
Total local		673	673		49,176		

CARGOES IN TRANSIT.

Classes and commodities.	Amount in short tons.	Value.
Animals and animal products: Manure	14,168	$21,252
Vegetable food products:		
Flour	137	13,900
Grain	25	480
Hay	64	1,280
Straw	12	240
Sugar	50	7,000
Coffee	5,708	1,229,326
Beans	310	56,800
Rice	269	32,322
Peas	750	119,927
Olives	1,036	158,878
Nuts	266	190,080
All other	526	141,341
Other vegetable products:		
Turpentine	1,311	175,366
Tobacco	114	171,477
All other	2,272	745,182
Textiles:		
Clothing	450	1,350,000
Cotton (raw)	253	75,900
Rope	2	700
Burlap	1,237	157,600
Jute	1,783	214,128
All other	28	3,509
Wood and paper:		
Lumber and timber (sawed)	1,640	41,774
Shingles	11	750
Laths	972	97,104
Piles or logs	60	3,000
Cordwood	5,196	35,264
Wood pulp	2,854	199,780
All other	2,554	113,325
Nonmetallic minerals:		
Marble	4,359	212,156
Building stone	76,859	1,211,308
Cement	90	3,800
Lime	1,960	68,075
Sewer pipe	3	60
Salt	24	480
Glassware	4	2,000
Nonmetallic minerals—Continued.		
Ashes	100,548	$34,373
Lubricating oil	12,989	564,851
Gasoline	9,522	3,174,235
Kerosene	27	120
Gravel	60,080	76,516
Sand	103,277	113,726
Paving blocks (stone)	871	13,068
Other petroleum products	130,056	3,708,095
Chalk and whiting	868	3,916
Sulphur	2,925	53,815
All other	21,319	482,899
Ores, metals and manufactures:		
Copper ore	3,975	238,734
Copper (sheet, bar, wire)	3,155	946,500
Copper (ingot)	3,758	977,080
Iron (pig and scrap)	100	2,500
Pipe (wrought iron)	10	4,000
All other	23,052	5,260,032
Machinery and vehicles:		
Agricultural implements	5	300
Engines and machinery	1,102	383,300
Automobiles	1,000	2,000,000
Chemicals:		
Drugs and chemicals	1	20
Fertilizer (chemical)	616	25,400
Alcohol and products	1	15
All other	583	111,272
Unclassified:		
Ice	2,650	8,450
General merchandise	98,144	29,443,200
Garbage	52,373	No value.
Life boats and launches	2	1,250
Total	760,366	54,483,231

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BUTTERMILK CHANNEL, N. Y.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.		Total.	
	Imports.		Exports.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	14,623	$3,685,050	21,025	$11,042,328	370	$282,786	36,018	$15,010,164
Vegetable food products	87,288	12,090,664	32,501	3,303,734	26,273	3,470,599	146,062	18,864,997
Other vegetable products	10,557	5,765,740	160	48,000	627	456,059	11,344	6,269,799
Textiles	3,592	1,155,100	8,634	5,141,067	13,305	4,004,751	25,531	10,300,918
Wood and paper	95,200	8,518,000	391	67,250	16,734	470,884	112,325	9,056,104
Nonmetallic minerals	.....	.....	112,525	1,461,940	218,340	8,258,624	330,865	9,720,564
Ores, metals, and manufactures	43,238	6,716,098	191,465	11,593,241	47,069	5,335,696	281,772	23,645,035
Machinery and vehicles	.....	.....	38,466	11,299,080	608	245,770	39,074	11,544,850
Chemicals	7,042	221,208	5,940	676,670	11,474	1,047,398	24,456	1,945,276
Unclassified	204,490	61,347,000	846,026	253,873,720	1,166	382,900	1,051,682	315,603,620
Total	466,030	99,498,860	1,257,133	298,507,040	335,966	23,955,427	2,059,129	421,961,327

	Short tons.	Value.
Car ferry	53,623	$16,086,900
Cargoes in transit	760,366	54,483,231

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Steamers	193	70	680	674	278	11,900	5	30
Towboats	150	.....	1,312	1,312	32	139	6	11
Sailing vessels	13	.....	19	19	43	400	3	9
Canal boats, lighters, barges, etc	398	.....	2,216	2,216	128	1,400	3	18
Ferryboats	13	.....	69,321	69,321	562	1,087	11	18
Car floats	32	.....	300	300	1,200	3,000	6	7
Miscellaneous craft	27	.....	174	174	30	700	3	15
Unregistered: Canal boats, lighters, barges, etc	25	.....	108	108	30	800	3	9

Passengers carried, 6,788,536.

GRAVESEND BAY, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.
1920[1]	70,789	$2,331,741
1921[1]	13,004	249,934

[1] Exclusive of the following additional traffic:

Year.	Cargoes in transit.	
	Tons.	Value.
1920	202,492	$4,216,109
1921	243,060	2,737,911

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GRAVESEND BAY, N. Y.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Nonmetallic minerals: Building stone	.....	11,434	11,434	$137,208	$137,208	*Miles.* 236.0	*Cents.* .....
INTERNAL RECEIPTS.							
Wood and paper: Lumber and timber (sawed)	267	.....	267	7,411	7,411	289.0	4.1
RECEIPTS, INTRAPORT.							
Nonmetallic minerals: Other petroleum products	.....	1,150	1,150	35,215	35,215	15.0	.....
Chemicals: Dynamite	.....	110	110	57,200	57,200	19.6	.....
Unclassified: General and misc.	.....	43	43	12,900	12,900	11.1	.....
Total receipts, intraport	.....	1,303	1,303	.....	105,315	.....	.....

CARGOES IN TRANSIT.

Classes and commodities.	Amount in short tons.	Value.	Classes and commodities.	Amount in short tons.	Value.
Wood and paper: Lumber and timber	3,603	$82,687	Nonmetallic minerals—Con.		
Nonmetallic minerals:			Other petroleum products	5,734	$130,263
Cement	1,000	15,000	All Other	11,584	64,140
Crushed stone	6,943	9,478	Machinery and vehicles:		
Coal	37,717	369,489	Automobiles	1,000	2,000,000
Ashes	131,285	19,697	Unclassified:		
Lubricating oil	6	516	Ice	2,690	8,072
Gasoline	131	13,185	General merchandise	7	2,100
Kerosene	11,360	23,284	Total	243,060	2,737,911

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper	.....	.....	267	$7,411	267	$7,411
Nonmetallic minerals	11,434	$137,208	1,150	35,215	12,584	172,423
Chemicals	.....	.....	110	57,200	110	57,200
Unclassified	.....	.....	43	12,900	43	12,900
Total	11,434	137,208	1,570	112,726	13,004	249,934

	Tons.	Value.
Cargoes in transit	243,060	$2,737,911

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GRAVESEND BAY, N. Y.—continued.

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Towboats	25	638	638	22	63	6	10
Canal boats, lighters, barges, etc.	256	638	638	300	700	3	11

Passengers carried, none.

MANHASSET BAY, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.
1920	45,044	$78,905
1921	135,539	166,144

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS, COASTWISE.						*Miles.*
Nonmetallic minerals: Gravel	375	.....	375	$766	$766	16.5
RECEIPTS, INTRAPORT.						
Animals and animal products: Manure	961	.....	961	1,442	1,442	22.3
Nonmetallic minerals: Petroleum products	.....	508	508	20,286	20,286	20.5
Machinery and vehicles: Engines and machinery	.....	45	45	10,000	10,000	9.8
Total receipts, intraport	961	553	1,514	.....	31,728	.....
SHIPMENTS, INTRAPORT.						
Nonmetallic minerals	.....	.....	133,650	.....	133,650	.....
Gravel	26,730	.....	.....	34,650	.....	29.8
Sand	106,920	.....	.....	99,000	.....	22.0
Total shipments, intraport	133,650	.....	133,650	.....	133,650	.....
Total receipts and shipments, intraport	134,611	553	135,164	.....	165,378	.....

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animal and animal products	.....	.....	961	$1,442	961	$1,442
Nonmetallic minerals	375	$766	134,158	153,936	134,533	154,702
Machinery and vehicles	.....	.....	45	10,000	45	10,000
Total	375	766	135,164	165,378	135,539	166,144

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MANHASSET BAY, N. Y.—continued.

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Towboats	4	290	290	19	30	7	9
Canal boats, lighters, barges, etc	84	285	285	200	700	3	9
Unregistered: Canal boats, lighters, barges, etc	3	5	5	175	565	3	9

Passengers carried, none.

OYSTER BAY, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.
1920	163	$17,554
1921	1,130	11,370

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS, COASTWISE.						*Miles.*
Animals and animal products: Manure	961		961	$1,442	$1,442	49.9
Nonmetallic minerals			169		9,928	
Lubricating oil	2			268		50.9
Gasoline		133		8,445		50.9
Kerosene		34		1,215		50.9
Total receipts, coastwise	963	167	1,130		11,370	

SUMMARY.

Classes and commodities.	Domestic, coastwise.	
	Tons.	Value.
Animals and animal products	961	$1,442
Nonmetallic minerals	169	9,928
Total	1,130	11,370

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered: Canal boats, lighters, barges, etc	5	9	9	45	565	3	9

Passengers carried, none.

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TARRYTOWN HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1905	71,201	$1,830,092	(1)	1914	79,821	$1,725,177	131,586
1906	79,714	384,979	(1)	1915	102,251	1,637,341	122,639
1907	86,076	3,641,915	(1)	1916	97,111	3,341,005	116,862
1908	71,325	3,648,856	(1)	1917	86,705	376,389	94,709
1910	60,800	321,900	(1)	1918	58,755	513,863	99,427
1911	207,145	4,520,217	68,512	1919	102,216	716,857	101,809
1912	176,243	4,556,891	3,500	1920	73,055	771,141	133,781
1913	188,163	2,328,623	105,000	1921	74,151	1,604,839	136,606

[1] No statistics available.

[Navigation season, from March 3, 1921, to December 30, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, UPBOUND.						*Miles.*	*Cents.*
Nonmetallic minerals			53,935		$621,489		
Brick (hollow tile)		295		$4,201		52.0	
Gravel	12,150			18,225		69.8	
Sand	2,745			2,745		59.0	
Coal	32,403			307,828		20.5	2.5
Other petroleum products	6,322			288,138		37.7	
Plaster		20		352		36.0	
Machinery and vehicles: Automobiles		500	500	785,000	785,000	29.0	
Total receipts, upbound	53,620	815	54,435		1,406,489		
RECEIPTS, DOWNBOUND.							
Nonmetallic minerals: Coal	19,716		19,716	198,350	198,350	63.0	
Total receipts up and down bound	73,336	815	74,151		1,604,839		

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Nonmetallic minerals	73,651	$819,839
Machinery and vehicles	500	785,000
Total	74,151	1,604,839

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TARRYTOWN HARBOR, N. Y.—continued.

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Canal boats, lighters, barges, etc	59	139	139	100	800	5	11
Ferryboats	2	6,890	6,890	304	521	6	8

Passengers carried, 136,606.

PEEKSKILL HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1894	522,955	(1)	(1)	1909	272,102	$8,131,737.00	(1)
1896	546,000	(1)	(1)	1910	291,640	9,270,300.00	(1)
1897	404,300	(1)	(1)	1911	290,540	9,331,375.00	(1)
1898	734,950	(1)	(1)	1913	308,173	9,880,198.00	(1)
1899	1,092,455	(1)	(1)	1914	127,752	2,402,275.00	8,020
1900	1,800,750	(1)	(1)	1915	152,854	3,777,619.00	22,417
1902	22,815	(1)	(1)	1916	80,561	4,271,149.00	37,391
1903	218,875	(1)	(1)	1917	89,920	8,339,097.00	(2)
1904	81,265	$3,751,985.61	(1)	1918	104,493	18,773,233.09	(2)
1905	74,546	1,134,748.00	(1)	1919	91,044	12,648,367.00	5,384
1906	88,550	659,864.00	(1)	1920	93,767	9,549,954.00	(3)
1907	107,963	733,766.00	(1)	1921	95,530	5,438,121.00	(3)
1908	226,533	4,984,046.00	(1)				

[1] No statistics available.
[2] Due to the discontinuance of two passenger lines, no passengers were carried during the years 1917 and 1918.
[3] Passenger traffic in the harbor during 1919 consisted solely of excursionists, outbound and inbound. Excursion steamers did not use Peekskill Harbor during 1920 on account of insufficient depth of water, due to shoaling in the channel.

[Navigation season, from March 3, 1921, to December 30, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, UPBOUND.						*Miles.*	*Cents.*
Animals and animal products			204		$77,750		
Horses		73		$57,500		43.0	11.1
Fish		125		19,875		43.0	8.4
Oysters and clams		6		375		43.0	8.4
Vegetable food products			1,724		260,203		
Vegetables		504		50,438		43.0	
Flour		44		3,600		43.0	7.4
Grain		45		2,160		43.0	
Hay		32		640		43.0	5.6
Straw		3		60		43.0	5.6
Sugar		420		42,000		43.0	7.4
Beer and ale		21		830		43.0	7.4
All other		655		160,475		43.0	7.4
Other vegetable products: Rubber goods		2	2	600	600	43.0	11.2
Textiles			336		201,620		
Clothing		1		1,620		43.0	10.2
Cotton goods		335		200,000		43.0	7.0
Wood and paper			17		880		
Lumber and timber		6		132		43.0	5.4
Shingles		11		748		43.0	

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PEEKSKILL HARBOR, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, UPBOUND—contd.						*Miles.*	*Cents.*
Nonmetallic minerals			29,823		$198,310		
Brick (hollow tile)		400		$6,000		70.3	2.3
Gravel	8,100			12,150		85.8	
Salt		16		192		43.0	7.4
Glassware		2		120		43.0	
Clay	506			3,038		70.3	1.5
Coal	19,927			159,416		43.0	
Oyster shells		2		8		43.0	7.4
Petroleum products	870			17,386		52.0	
Ores, metals and manufactures			1,241		136,416		
Steel manufactures		218		11,990		43.0	8.4
Wire (iron or steel)		30		4,500		43.0	8.4
Lead manufactures		45		7,650		43.0	
Pipe (wrought iron)		780		103,740		43.0	
Pipe (cast iron)		15		2,040		43.0	
Hardware		18		3,996		43.0	8.4
All other		135		2,500		43.0	5.6
Chemicals: Drugs and chemicals		7	7	266	266	43.0	11.2
Unclassified: General and miscellaneous		125	125	37,500	37,500	43.0	7.4
Total receipts, upbound	29,403	4,076	33,479		913,545		
RECEIPTS, DOWNBOUND.							
Nonmetallic minerals			48,185		433,384		
Brick (building)		8,128		69,088		66.5	
Coal	40,057			364,296		45.5	
SHIPMENTS, DOWNBOUND.							
Animals and animal products			183		82,750		
Horses		68		54,000		43.0	11.1
Hides		115		28,750		43.0	6.5
Vegetable food products			10,108		2,475,553		
Fruits		6		563		43.0	9.3
All other		10,102		2,474,990		43.0	
Textiles			1,532		1,126,050		
Dry goods		415		400,000		43.0	7.9
All other		1,117		726,050		43.0	
Wood and paper: Charcoal		24	24	1,056	1,056	43.0	6.5
Nonmetallic minerals: Brick (fire)		207	207	3,519	3,519	43.0	5.6
Ores, metals and manufactures: Cast iron manufactures		1,812	1,812	402,264	402,264	43.0	5.6
Total shipments, downbound		13,866	13,866		4,091,192		
Total receipts and shipments, up and down bound	69,460	26,070	95,530		5,438,121		

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	387	$160,500
Vegetable food products	11,832	2,735,756
Other vegetable products	2	600
Textiles	1,868	1,327,670
Wood and paper	41	1,936
Nonmetallic minerals	78,215	635,213
Ores, metals and manufactures	3,053	538,680
Chemicals	7	266
Unclassified	125	37,500
Total	95,530	5,438,121

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PEEKSKILL HARBOR, N. Y.—continued.

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers	2	482	482	160	220	7	8
Sailing vessels	3	4	4	60	110	.....	.....
Canal boats, lighters, barges, etc.	42	97	97	100	1,000	3	10

Passengers carried, none.

WAPPINGER CREEK, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1888	70,000	(1)	(1)	1912	46,235	$6,521,788	(1)
1903	52,891	(1)	(1)	1913	49,854	10,228,820	21,787
1904	56,927	$7,955,975	(1)	1914	52,350	11,406,277	23,284
1905	49,562	4,872,903	(1)	1915	43,315	5,259,423	21,763
1906	46,194	572,399	(1)	1916	46,050	7,977,280	18,281
1907	44,493	445,765	13,710	1917	135,574	10,364,409	15,656
1908	41,574	6,990,600	14,025	1918	65,716	4,074,742	15,612
1909	45,395	7,476,733	22,952	1919	28,001	31,127,374	7,905
1910	33,065	1,864,030	22,610	1920	32,767	10,340,545	8,638
1911	23,248	2,290,639	26,123	1921	23,228	6,762,342	2,090

[1] No statistics available.

[Navigation season from March 10, 1921, to December 23, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodites.	By classes.		
RECEIPTS, UPBOUND.						*Miles.*	*Cents.*
Nonmetallic minerals	.....	.....	17,694	.....	$89,693	.....	.....
Gravel	7,290	.....	.....	$10,935	.....	106.8	.....
Coal	10,354	.....	.....	78,583	.....	64.0	.....
Fire sand	50	.....	.....	175	.....	91.3	2.5
Total receipts, upbound	17,694	.....	17,694	.....	89,693	.....	.....
LOCAL.							
Textiles: Cotton goods	.....	3,447	3,447	6,663,000	6,663,000	1.0	.....
Nonmetallic minerals	.....	.....	2,002	.....	3,334	.....	.....
Brick (building)	350	.....	.....	1,750	.....	1.0	.....
Crushed stone	693	.....	.....	1,008	.....	2.0	.....
Molding sand	959	.....	.....	576	.....	1.0	.....
Ores, metals, and manufactures:							
Cast iron	.....	58	58	4,150	4,150	2.0	.....
Chemicals: Drugs and chemicals	.....	25	25	1,955	1,955	2.0	.....
Unclassified: General merchandise	.....	2	2	210	210	2.0	.....
Total local	2,002	3,532	5,534	.....	6,672,649	.....	.....

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WAPPINGER CREEK, N. Y.—continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Textiles	3,447	$6,663,000
Nonmetallic minerals	19,696	93,027
Ores, metals, and manufactures	58	4,150
Chemicals	25	1,955
Unclassified	2	210
Total	23,228	6,762,342

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers	1	240	240	24	49	.....	6
Canal boats, lighters, barges, etc	19	462	462	5	375	2	9

Passengers carried, 2,000.

SAUGERTIES HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1894	189,000	$5,484,000	1908	114,000	$2,070,500
1895	145,000	(1)	1909	125,100	2,177,000
1896	120,300	(1)	1910	69,546	2,649,750
1897	51,000	(1)	1911	147,494	2,643,000
1898	58,368	(1)	1912	81,624	2,029,274
1899	50,800	(1)	1913	87,521	2,340,025
1900	76,673	(1)	1914	149,440	2,317,490
1901	67,473	(1)	1915	94,758	2,279,350
1902	66,500	(1)	1916	86,626	2,210,326
1903	112,677	(1)	1917	80,974	3,623,028
1904	113,200	18,832,195	1918	48,745	1,820,598
1905	81,600	1,568,000	1919	38,189	4,634,399
1906	83,300	1,606,200	1920	49,026	5,666,438
1907	95,400	1,873,000	1921	21,470	1,381,705

[1] No statistics available.

Carried 13,350 passengers in 1917, 10,628 in 1918, 15,383 in 1919, 16,183 in 1920, and 19,556 in 1921.

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SAUGERTIES HARBOR, N. Y.—continued.

[Navigation season from March 12, 1921, to December 22, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, UPBOUND.						*Miles.*	*Cents.*
Animals and animal products			103		$50,733		
Horses		40		$32,000		101.0	
Fish		25		3,975		101.0	
Oysters and clams		12		720		101.0	
Leather goods		3		3,780		101.0	
All other		23		10,258		101.0	
Vegetable food products			604		76,824		
Fruit		123		12,285		101.0	
Vegetables		285		28,485		101.0	
Flour		4		328		101.0	
Grain		2		96		101.0	
Hay		6		120		101.0	
Sugar		66		6,600		101.0	
All other		118		28,910		101.0	
Other vegetable products			56		63,967		
Rubber goods		4		1,200		101.0	
Turpentine		2		267		101.0	
Tobacco		50		62,500		101.0	
Textiles			136		93,449		
Dry goods		114		79,800		101.0	
Rope		11		1,650		101.0	
All other		11		11,999		101.0	
Wood and paper			1,523		276,454		
Paving blocks (wood)		30		960		101.0	
Ties		124		1,984		101.0	
Wood pulp		3		210		101.0	
All other		1,366		273,300		101.0	3.4
Nonmetallic minerals			8,343		103,092		
Marble		1		50		101.0	
Cement		17		255		101.0	
Sewer pipe		1		20		101.1	
Salt		1		12		101.1	
Glassware		14		840		101.0	
Clay		2		20		101.0	
Coal	7,065			42,579		128.3	
Lubricating oil		55		4,400		101.0	
Other petroleum products	1,139			54,388		111.7	
Chalk and whiting		48		528		101.0	
Ores, metals, and manufactures			218		43,394		
Lead manufactures		21		3,570		101.0	
Other metal manufactures		2		600		101.0	
Pipe (wrought iron)		38		5,054		101.0	
Hardware		145		32,190		101.0	
All other		12		1,980		101.0	
Machinery and vehicles			93		27,107		
Agricultural implements		7		1,995		101.0	
All other		86		25,112		101.0	
Chemicals			119		6,540		
Drugs and chemicals		75		2,850		101.0	
Coal tar		4		48		101.0	
Fertilizer (chemical)		7		210		101.0	
All other		33		3,432		101.0	
Unclassified			440		139,752		
General and miscellaneous		236		70,800		101.0	
All other		204		68,952		101.0	
Total receipts, upbound	8,204	3,431	11,635		881,312		
SHIPMENTS, DOWNBOUND.							
Animals and animal products			62		47,552		
Horses		57		45,500		101.0	
Cattle		1		560		101.0	
Leather		2		600		101.0	
All other		2		892		101.0	
Vegetable food products			493		37,130	101.0	
Fruits		243		24,255		101.0	
Vegetables		60		6,030		101.0	
Grain		12		585		101.0	
Hay		166		3,320		101.0	
All other		12		2,940		101.0	

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SAUGERTIES HARBOR—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, DOWNBOUND—con.						*Miles.*	*Cents.*
Other vegetable products			6		$6,550		
Rubber goods		1		$300		101.0	
Tobacco		5		6,250		101.0	
Textiles			57		44,115		
Dry goods		51		35,700		101.0	
All other		6		8,415		101.0	
Wood and paper			6,790		298,151		
Lumber and timber	4			88		101.0	
Cordwood		14		95		101.0	
All other		6,772		297,968		101.0	
Nonmetallic minerals			2,269		22,252		
Flagging		2,198		18,405		111.6	
Glassware		61		3,660		101.0	
Petroleum products	10			187		101.0	
Ores, metals, and manufactures			32		6,363		
Hardware		19		4,218		101.0	
All other		13		2,145		101.0	
Machinery and vehicles: Automobiles		64	64	18,688	18,688	101.0	
Chemicals			3		106		
Drugs and chemicals		2		76		101.0	
Fertilizer (chemical)		1		30		101.0	
Unclassified			59		19,486		
General and miscellaneous		12		3,600		101.0	
All other		47		15,886		101.0	
Total shipments, downbound	14	9,821	9,835		500,393		
Total receipts and shipments, up and down bound	8,218	13,252	21,470		1,381,705		

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	165	$98,285
Vegetable food products	1,097	113,954
Other vegetable products	62	70,517
Textiles	193	137,564
Wood and paper	8,313	574,605
Nonmetallic minerals	10,612	125,344
Ores, metals, and manufactures	250	49,757
Machinery and vehicles	157	45,795
Chemicals	122	6,646
Unclassified	499	159,238
Total	21,470	1,381,705

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers	2	192	193	580	780	6	9
Canal boats, lighters, barges, etc.	18	81	81	100	650	3	9

Passengers carried, 19,556.

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RONDOUT HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tonnage.	Value.	Year.	Tonnage.	Value.
1895	2,070,500	(1)	1909	440,000	$1,820,000
1896	2,333,050	(1)	1910	506,015	4,851,050
1897	2,330,000	(1)	1911	510,671	3,355,884
1899	1,885,000	(1)	1912	518,146	3,026,000
1900	1,885,000	(1)	1913	499,586	4,204,000
1901	1,485,000	(1)	1914	381,594	2,376,209
1902	1,285,000	(1)	1915	369,019	2,402,190
1903	1,280,000	(1)	1916	355,439	5,200,300
1904	1,469,000	$41,065,000	1917	370,363	6,672,600
1905	1,325,000	46,112,500	1918	326,787	7,495,050
1906	998,524	5,640,900	1919	388,310	11,952,000
1907	1,255,000	5,025,000	1920	313,362	10,408,750
1908	438,000	2,075,000	1921	267,678	3,494,827

[1] No statistics available.

Passengers carried, 10,000 in 1917, 8,703 in 1918, 18,500 in 1919, 19,254 in 1920, 19,000 in 1921.

[Navigation season, from March 12, 1921, to December 22, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, UPBOUND.						*Miles.*	*Cents.*
Wood and paper: Lumber and timber	12,000		12,000	$400,000	$400,000	110.9	
Nonmetallic minerals: Petroleum products	13,773		13,773	620,570	620,570	36.8	
Ores, metals, and manufactures			988		9,160		
Iron (sheet, bar, etc.)		960		5,760		110.9	
Hardware		28		3,400		118.5	
Total receipts, upbound	25,773	988	26,761		$1,029,730		
SHIPMENTS, UPBOUND.							
Wood and paper: Cordwood		84	84	570	570	10.0	3.5
Nonmetallic minerals			87,825		929,042		
Coal	85,912			927,334		28.2	2.3
Molding sand	1,913			1,708		3.0	
Total shipments, upbound	87,825	84	87,909		929,612		
SHIPMENTS, DOWNBOUND.							
Nonmetallic minerals: Coal	146,402		146,402	1,505,787	1,505,787	44.4	1.4
Machinery and vehicles: Engines and machinery		40	40	10,000	10,000	70.0	
Unclassified: Ice		6,566	6,566	19,698	19,698	87.5	
Total shipments, downbound	146,402	6,606	153,008		1,535,485		
Total receipts and shipments, up and down bound	260,000	7,678	267,678		3,494,827		

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RONDOUT HARBOR, N. Y.—continued.

SUMMARY.

Classes of commodities.	Domestic.		Total.	
	Tons.	Value.	Tons.	Value.
Wood and paper	12,084	$400,570	12,084	$400,570
Nonmetallic minerals	248,000	3,055,399	248,000	3,055,399
Ores, metals, and manufactures	988	9,160	988	9,160
Machinery and vehicles	40	10,000	40	10,000
Unclassified	6,566	19,968	6,566	19,968
Total	267,678	3,494,827	267,678	3,494,827

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers	3	357	357	455	1,169	7	14
Canal boats, lighters, barges, etc	168	1,489	1,489	90	1,000	3	11

Passengers carried: 19,000.

Vessels built and launched.

Class.	Number.	Tonnage.	Value.
Dry docks	5	2,000	$750,000
Dock scows	2	700-800	20,500
Coal barges	3	2,000	30,000
Barges	1	900	12,000
Canal boats	6	650	63,000

HUDSON RIVER, N. Y.

(Upper section, Hudson to Waterford.)

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1895	5,000,000	$110,000,000	1909	3,254,423	$237,214,824
1896	5,300,000	106,400,000	1910	5,033,360	109,941,000
1897	3,682,864	(1)	1911	4,241,478	92,100,313
1898	4,045,895	(1)	1912	3,045,136	172,107,996
1899	5,070,800	(1)	1913	3,300,000	172,525,000
1900	4,810,927	(1)	1914	2,979,062	170,000,000
1901	3,123,409	(1)	1915	3,211,739	59,197,000
1902	3,673,097	(1)	1916	3,190,471	70,530,240
1903	3,486,393	(1)	1917	3,105,756	70,515,016
1904	3,513,545	150,893,030	1918	2,563,248	240,051,390
1905	3,310,628	66,866,160	1919	2,426,711	202,093,193
1906	3,325,360	75,664,747	1920	3,087,169	169,726,452
1907	2,881,168	66,853,731	1921	1,936,901	101,772,812
1908	2,945,921	120,421,651			

[1] No statistics available.

Cargoes in transit, 1920, short tons, 167,384; value, $18,680,680. 1921, short tons, 827,150; value, $45,278,577. Passengers carried, 815,031 in 1917, 537,673 in 1918, 609,699 in 1919, 575,853 in 1920, and 593,264 in 1921.

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HUDSON RIVER, N. Y. (UPPER SECTION)—continued.

[Navigation season, Mar. 12, 1921, to Dec. 17, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS, DOWNBOUND.				
Wood and paper: Lumber and timber (sawed)	115	115	$2,072	$2,072

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, UPBOUND.						*Miles.*	*Cents.*
Animals and animal products			2,280		$998,788		
Horses		96		$76,500		140.0	11.6
Oysters and clams		31		3,660		148.0	7.5
Leather		285		85,500		140.0	
All other		1,868		833,128		130.0	
Vegetable food products			7,542		753,788		
Flour		21		1,688		130.0	
Sugar		7,521		752,100		130.0	
Other vegetable products			1,672		1,078,435		
Rubber goods		432		132,300		130.0	
Tobacco		749		936,250		130.0	
All other		491		9,885		187.0	4.0
Textiles			3,913		3,361,576		
Dry goods		426		298,200		130.0	
Clothing		1,480		2,397,600		130.0	
Cotton goods		114		213,736		151.0	5.7
Cotton (raw)		1,801		438,240		105.0	2.3
Rope		92		13,800		130.0	
Wood and paper			2,976		102,281		
Lumber and timber		431		10,321		120.0	
All other		2,545		91,960		133.0	3.9
Nonmetallic minerals			310,150		12,324,182		
Asphalt		345		3,105		130.0	7.7
Cement		250		3,600		22.0	
Lime		3		100		130.0	
Gravel	4,455			8,910		117.0	
Sand	4,914			4,914		173.0	
Salt		77		924		130.0	
Glassware		465		27,900		130.0	
Clay	525			1,406		178.0	1.0
Coal	43,481			468,400		125.3	
Moulding sand	7,232			6,157		50.0	
Lubricating oil	6,127			345,016		145.0	
Other petroleum products	238,166			11,372,150		140.0	
Sulphur		4,110		82,200		153.5	
Ores, metals, and manufactures			6,298		1,185,957		
Cast iron manufactures		731		162,282		130.0	
Steel (ingot, sheet, bar, etc.)		947		53,032		130.0	
Steel manufactures		557		30,635		130.0	
Structural steel		40		4,000		149.0	
Lead (sheet, bar, ingot)		229		32,518		130.0	
Other metals (sheet, bar, etc.)		2,229		445,200		94.0	
Hardware		395		87,690		130.0	
All other		210		81,700		138.0	6.5
Machinery and vehicles			4,016		4,153,170		
Agricultural implements		2		570		71.0	6.9
Engines and machinery		1,557		467,100		130.0	6.9
Automobiles		2,457		3,685,500		130.0	
Chemicals			10,909		667,661		
Drugs and chemicals		6,748		256,424		130.0	
Fertilizer		22		725		133.0	3.0
Alcohol and products		82		27,216		130.0	
All other		4,057		413,296		133.0	4.2

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HUDSON RIVER, N. Y. (UPPER SECTION)—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, UPBOUND—contd.						*Miles.*	*Cents.*
Unclassified			6,879		$2,181,532		
Pianos		286		$203,632		130.0	6.7
General merchandise		6,593		1,977,900		130.0	
Total receipts, upbound	304,900	51,735	356,635		26,837,370		
RECEIPTS, DOWNBOUND.							
Nonmetallic minerals			720		7,301		
Cement		470		7,050		245.0	
Sand	250	250		251		49.0	
Unclassified			2,955		11,377		
Ice		2,925		8,775		11.0	
General merchandise		30		2,602		36.0	
Total receipts, downbound	250	3,425	3,675		18,678		
SHIPMENTS, DOWN BOUND.							
Animals and animal products			1,541		720,470		
Horses		96		76,000		120.0	
Butter and eggs		1,445		644,470		120.0	
Vegetable food products			23,242		2,231,950		
Fruits		14,161		1,308,085		129.0	6.2
Vegetables		137		13,410		126.0	6.8
Hay		4,560		85,025		133.0	3.8
Straw		1,030		20,600		133.0	4.1
All other		3,354		804,830		126.0	1.1
Textiles			8,689		6,404,435		
Clothing		95		154,000		134.5	4.2
Cotton goods		4,995		3,911,085		120.0	
All other		3,599		2,339,350		120.0	
Wood and paper			6,507		437,332		
Lumber and timber (sawed)	1,620			35,640		160.0	3.3
Cord wood		1,400		4,000		136.0	
All other		3,487		397,692		138.5	
Nonmetallic minerals			491,527		4,720,477		
Brick (building)	187,718			1,275,336		130.3	1.5
Cement		282,808		3,362,085		147.2	.8
Flagging		700		1,649		32.0	
Coal	620			5,800		26.0	4.6
Moulding sand	17,679			75,487		151.0	.8
Lubricating oil		2		120		70.0	
Ores, metals and manufactures:							
Hardware		1	1	130	130	55.0	11.6
Machinery and vehicles			2,458		3,685,606		
Automobiles		2,457		3,685,500		120.0	
Electrical fittings		1		106		55.0	15.6
Unclassified			61,779		2,232,899		
Ice		54,994		197,899		133.0	
General merchandise		6,785		2,035,500			
Total shipments, down bound	209,637	386,107	595,744		20,433,299		
SHIPMENTS, UPBOUND.							
Nonmetallic minerals			111,156		8,592,697		
Cement		5,868		88,020		422.6	
Sand	549			549		382.6	
Gasoline		101,273		8,439,433		170.2	
Other petroleum products	3,466			64,695		140.3	
Chemicals: Nitrate of soda		2,576	2,576	266,916	266,916	390.0	
Total shipments, upbound	4,015	109,717	113,732		8,859,613		
Total shipments, upbound and down bound	213,652	495,824	709,476		29,292,912		

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HUDSON RIVER, N. Y. (UPPER SECTION)—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
LOCAL.						*Miles.*	*Cents.*
Vegetable food products: Grain		50	50	$1,000	$1,000	28.0	8.9
Nonmetallic minerals			32,573		293,785		
Brick (building)	376			32,573		1.0	
Cement		4,220		62,663		12.0	
Gravel	664			738		26.0	
Sand	111			107		26.0	
Crushed stone	4,050			6,000		7.0	
Coal	23,147			221,477		11.2	5.8
Lubricating oil		5		450		38.0	
Ores, metals and manufactures			111		24,720		
Cast iron manufactures		100		22,200		4.3	22.2
Pipe (wrought iron)		1		300		15.0	
Hardware		10		2,220		4.3	
Machinery and vehicles: Agricultural implements		50	50	2,500	2,500	28.0	8.9
Unclassified: Ice		7,066	7,066	21,198	21,198	18.0	
Total, local, upper Hudson	28,348	11,502	39,850		343,203		

CARGOES IN TRANSIT.

Classes and commodities.	Amount in short tons.	Value.
Animals and animal products:		
Fish	78	$12,402
Leather goods	13	16,380
Vegetable food products:		
Fruits	375	23,000
Flour	1,207	98,568
Grain	366,318	17,535,252
Hay	755	15,100
Sugar	2,518	251,800
All other	38,638	9,461,790
Other vegetable products:		
Rubber goods	72	21,600
All other	16	6,848
Textiles:		
Dry goods	20	14,000
Cotton goods	38	124,528
All other	1,011	657,150
Wood and paper:		
Lumber and timber	35,034	814,758
Lath	7,786	756,710
Wood pulp	50,154	1,601,798
Cord wood	347	2,356
All other	19,869	16,491
Nonmetallic minerals:		
Asphalt	2,297	43,197
Brick (building)	11,820	180,030
Brick (hollow tile)	250	3,250
Cement	7,775	114,085
Gravel	1,350	1,225
Sand	3,290	4,446
Paving blocks (stone)	440	3,740
Salt	65,796	692,592
Clay	20,901	209,010
Clay manufactures	450	27,450
Coal	39,288	332,676
Moulding sand	3,656	7,873
Lubricating oil	102	8,160
Nonmetallic minerals—Continued.		
Other petroleum products	637	$50,935
Chalk and whiting	140	1,540
Sulphur	32,020	640,400
All other	7,756	271,460
Ores, metals and manufactures:		
Copper (sheet bar wire)	5,386	1,615,800
Copper (ingot)	225	58,500
Iron ore	4,536	65,600
Iron (pig and scrap)	29,213	728,450
Iron (mine tailings)	1,179	1,769
Cast iron manufactures	49	3,000
Steel (ingot sheet bar, etc.)	2,420	131,040
Structural steel	4,943	247,750
Wire (iron or steel)	15	2,250
Lead (sheet bar ingot)	3,194	453,548
Lead manufactures	1	240
All other	6,937	506,914
Machinery and vehicles:		
Engines and machinery	238	45,401
Chemicals:		
Drugs and chemicals	236	8,968
Fertilizer (chemical)	250	6,825
All other	23,600	2,257,345
Unclassified:		
Ice	6,605	19,815
Pianos	1	712
General and miscellaneous	16,104	4,831,200
All other	801	270,850
Total	827,150	45,278,577

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HUDSON RIVER, N. Y. (UPPER SECTION)—continued.

SUMMARY.

Classes of commodities.	Foreign, imports.		Domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			3,821	$1,719,258	3,821	$1,719,258
Vegetable food products			30,834	2,986,738	30,834	2,986,738
Other vegetable products			1,672	1,078,435	1,672	1,078,435
Textiles			12,602	9,766,011	12,602	9,766,011
Wood and paper	115	$2,072	9,483	539,613	9,598	541,685
Nonmetallic minerals			946,126	25,938,442	946,126	25,938,442
Ores, metals, and manufactures			6,410	1,210,807	6,410	1,210,807
Machinery and vehicles			6,524	7,841,276	6,524	7,841,276
Chemicals			13,485	964,577	13,485	964,577
Unclassified			78,679	4,447,006	78,679	4,447,006
Total	115	2,072	1,109,636	56,492,163	1,109,751	56,494,235

	Short tons.	Value.
Cargoes in transit	827,150	$45,278,577

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers	26	1,694	1,694	100	4,307	5	16
Towboats				20	54	6	7
Canal boats, lighters, barges, etc.	959	6,058	6,058	90	1,000	3	11

Passengers carried, 593,264.

Vessels built and launched.

Class.	Number.	Tonnage.	Value.
Coal barge	1	725	$13,500
Deck barge	1	900	12,000
Canal boats, etc.	11	4,150	73,000
Pleasure launches	8		68,925
Tugs	1	98	38,000

The following vessels visited repair yards on this waterway: Tugs, 2.

HUDSON RIVER, N. Y.

(Middle section, Tarrytown to Hudson, not including the latter.)

[Navigation season, Mar. 12, 1921, to Dec. 17, 1921].

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS, UPBOUND.				
Nonmetallic minerals: Crude plaster	6,205	6,205	$8,688	$8,688

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HUDSON RIVER, N. Y. (MIDDLE SECTION)—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, UPBOUND.						*Miles.*	*Cents.*
Animals and animal products			2,003		$1,137,836		
Horses		1,019		$747,300		86.0	11.6
Fish		150		23,850		72.0	8.4
Oysters and clams		20		1,200		104.4	8.4
Leather goods		3		3,780		101.0	
All other		811		361,706		96.0	
Vegetable food products			38,351		8,859,670		
Fruits		160		16,000		97.0	
Vegetables		901		90,135		85.0	
Flour		979		79,984		84.0	3.8
Grain		47		2,271		87.7	
Hay		64		1,280		87.1	5.6
Straw		3		60		42.0	5.6
Sugar		1,338		133,800		35.0	6.1
Beer and ale		21		830		43.0	7.4
All other		34,838		8,535,310		88.4	7.4
Other vegetable products			150		176,768		
Rubber goods		9		2,700		83.5	11.2
Turpentine		2		318		98.7	
Tobacco		139		173,750		96.0	
Textiles			9,366		6,075,819		
Dry goods		127		88,900		96.0	
Clothing		1		1,620		43.0	10.2
Cotton goods		335		200,000		43.0	6.9
Rope		13		1,950		95.0	
All other		8,890		5,783,349		98.0	
Wood and paper			74,987		2,592,633		
Paving blocks (wood)		30		960		101.0	
Lumber and timber	67,370	309		2,070,339		72.0	
Shingles		1,138		44,498		72.0	
Ties		124		1,984		101.0	
Cordwood		84		570		101.0	
Wood pulp		3		210		101.0	
All other		5,929		474,072		105.0	
Nonmetallic minerals			344,683		8,160,875		
Asphalt		1		18		90.0	7.7
Brick (hollow tile)		695		10,201		65.0	2.2
Marble		4		200		99.3	
Cement		660		9,900		95.0	
Lime		599		20,970		94.0	
Gravel	27,540			39,083		56.7	
Sand	2,744			2,816		102.8	
Paving blocks (asphalt)		1,021		8,167		95.3	
Sewer pipe		1		20		101.0	
Salt		37		444		87.1	7.4
Glassware		24		1,440		86.8	
Clay	531			3,288		87.0	2.4
Coal	207,144			1,887,994		80.0	
Oyster shells		2		8		43.0	7.4
Lubricating oil		60		5,048		70.0	8.0
Gasoline		32,286		2,679,738		101.0	
Kerosene		15,256		857,136		101.0	
Other petroleum products	51,494			2,598,528		96.0	
Chalk and whiting		1,168		13,528		80.0	1.7
All other		3,416		22,348		83.0	
Ores, metals and manufactures			2,920		281,771		
Copper (ingot)		3		647		60.0	8.0
Copper manufactures		2		558		60.0	8.0
Iron (sheet bar, etc.)		977		7,505		88.2	6.8
Iron oxide		68		889		89.5	
Cast iron manufactures		53		3,600		17.0	
Steel (ingot, sheet, bar, etc)		22		1,931		72.0	7.5
Steel manufactures		226		15,083		51.5	7.5
Structural steel		11		629		60.0	6.7
Wire (iron or steel)		31		4,545		51.5	6.0
Lead (sheet, bar, ingot)		3		392		75.0	7.9
Lead manufactures		75		12,750		86.0	
Other metal manufactures		3		688		80.5	6.7
Pipe (wrought iron)		821		109,054		78.0	7.0
Pipe (cast iron)		15		2,040		43.0	6.5
Pipe (steel)		4		376		60.0	10.0
Hardware		288		60,009		89.7	8.5
All other		318		61,075		89.0	8.2

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HUDSON RIVER, N. Y. (MIDDLE SECTION)—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, UPBOUND—contd.						*Miles.*	*Cents.*
Machinery and vehicles			991		$926,120		
Agricultural implements		400		$114,000		94.0	
Engines and machinery		4		1,446		90.0	10.4
All other		587		810,674		76.3	9.8
Chemicals			881		33,716		
Drugs and chemicals		223		8,625		89.6	9.5
Coal tar		4		48		101.0	
Fertilizer (chemical)		593		8,330		102.1	3.0
All other		61		16,713		90.6	7.2
Unclassified			30,265		10,488,146		
General and miscellaneous		30,020		10,405,200		73.9	7.1
All other		245		82,946		89.0	
Total receipts, upbound	356,823	147,774	504,597		38,733,354		
RECEIPTS, DOWN BOUND.							
Nonmetallic minerals			84,365		900,076		
Cement		11,120		166,800		57.0	
Flagging		700		1,649		32.0	
Coal	71,963			731,046		32.0	
Lubricating oil		2		120		70.0	7.4
Moulding sand	580			461		70.0	
Ores, metals and manufactures:							
Hardware		1	1	130	130	55.0	11.
Machinery and vehicles			42		10,435		
Engines and machinery		41		10,329		52.0	12.4
Electrical fittings		1		106		55.0	15.6
Total receipts, downbound	72,543	11,865	84,408		910,641		
Total receipts, up and down bound	429,366	159,639	589,005		39,643,995		
SHIPMENTS, DOWN BOUND.							
Animals and animal products			5,756		2,702,264		
Horses		726		575,000		87.6	11.1
Cattle		43		20,170		100.7	12.4
Hides		596		149,000		65.0	6.5
Leather		2		600		101.0	
All other		4,389		1,957,494		94.6	
Vegetable food products			40,886		5,867,889		
Fruits		7,583		758,266		66.0	8.1
Vegetables		80		8,085		98.0	16.0
Flour		199		12,194		105.3	3.3
Grain		13		639		95.5	
Hay		6,115		151,825		96.0	3.5
Straw		800		17,600		111.0	2.7
Sugar		8,105		810,500		91.3	
All other		17,991		4,108,780		94.1	2.6
Other vegetable products			1,283		1,601,850		
Rubber goods		2		600		98.0	
Tobacco		1,281		1,601,250		94.3	
Textiles			12,149		7,741,015		
Dry goods		1,910		1,158,300		94.3	7.4
Cotton (raw)		121		36,300		87.0	
Wool (raw)		116		40,600		87.0	
All other		10,002		6,506,815		77.0	
Wood and paper			9,885		426,851		
Lumber and timber	324			6,688		89.0	
Cordwood		14		95		101.0	
All other		9,547		420,068		100.3	4.5
Nonmetallic minerals			2,989,070		10,569,374		
Asphalt		121		1,089		87.0	
Brick (building)	886,233			5,956,867		84.5	2.9
Brick (fire)		207		3,519		43.0	5.6
Cement		78,192		1,013,826		258.8	
Lime		1,611		48,413		31.0	
Gravel	120,774			89,462		74.1	
Crushed stone	1,740,557			2,346,077		82.9	1.6

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HUDSON RIVER, N. Y. (MIDDLE SECTION)—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, DOWN POUND—con.						*Miles.*	*Cents.*
Flagging		16,688		$209,388		93.0	
Salt		435		5,220		98.0	
Glassware		63		3,780		98.7	
Clay		5		379		100.0	
Coal	52,436			508,841		68.0	
Molding sand	88,206			265,942		132.8	1.1
Petroleum products		10		187		101.0	
Chalk and whiting		160		4,000		66.0	
All other		3,372		112,384		71.0	
Ores, metals and manufactures			8,880		$1,541,218		
Iron (sheet, bar, etc.)		2,482		372,300		87.0	
Cast-iron manufactures		1,831		405,047		51.5	6.6
Other metals (sheet, bar, etc.)		76		15,200		87.0	
Hardware		143		31,746		94.0	
All other		4,348		716,925		92.7	
Machinery and vehicles			586		666,829		
Agricultural implements		65		18,500		75.0	9.1
Engines and machinery		121		48,329		58.0	11.6
Automobiles		400		600,000		94.6	
Chemicals			1,468		123,776		
Drugs and chemicals		28		2,069		95.5	
Coal tar		26		387		114.0	
Fertilizer (chemical)		344		10,320		94.0	
All other		1,070		111,000		100.7	5.5
Unclassified			287,075		10,668,691		
Ice		254,122		781,161		102.0	
General and miscellaneous		32,900		9,869,616		61.6	
Household goods		53		17,914		96.6	
Total shipments, downbound	2,888,530	468,508	3,357,038		41,909,757		
SHIPMENTS, UPBOUND.							
Wood and paper: Lumber and timber	378		378	8,316	8,316	102.0	
Nonmetallic minerals: Coal	5,095		5,095	45,085	45,085	100.5	
Machinery and vehicles: Agricultural implements		2	2	570	570	71.0	6.9
Total shipments, upbound	5,473	2	5,475		53,971		
Total shipments up and down bound	2,894,003	468,510	3,362,513		41,963,728		
Total receipts and shipments, up and down bound	3,323,369	628,149	3,951,518		81,607,723		
LOCAL.							
Textiles: Cotton goods		3,447	3,447	6,663,000	6,663,000	2.0	
Wood and paper			4,003		23,343		
Lumber and timber	428			10,425		15.0	
Shingles		16		750		15.0	
Cord wood		3,559		12,168		4.0	11.1
Nonmetallic minerals			139,151		672,128		
Brick (building)	10,476			80,812		25.8	
Cement		10,470		245,850		10.1	5.0
Crushed stone	29,355			40,156		14.5	
Flagging		295		3,739		38.7	
Coal	21,379			215,635		31.1	12.9
Molding sand	67,176			85,936		26.4	3.5
Ores, metals, and manufactures: Unclassified		207	207	22,874	22,874	15.2	20.0
Machinery and vehicles: Agricultural implements		19	19	5,414	5,414	35.0	13.9
Chemicals: Carbide		2	2	210	210	15.0	27.3
Total local	128,814	18,015	146,829		7,386,969		

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HUDSON RIVER, N. Y. (MIDDLE SECTION)—continued.

CARGOES IN TRANSIT, MARCH 12, 1921, TO DECEMBER 17, 1921.

Classes and commodities.	Amount in short tons.	Value.
Animals and animal products:		
Horses	182	$152,500
Fish	78	12,402
Oysters and clams	31	3,660
Leather	285	85,500
Leather goods	13	16,380
Butter and eggs	1,445	644,470
All other	1,868	833,128
Vegetable food products:		
Fruits	14,536	1,331,085
Vegetables	137	13,410
Flour	1,228	100,256
Grain	365,318	17,535,252
Hay	5,315	100,125
Straw	1,030	20,600
Sugar	10,039	1,003,900
All other	41,992	10,266,620
Other vegetable products:		
Rubber goods	504	153,900
Tobacco	749	936,250
All other	507	16,723
Textiles:		
Dry goods	446	312,200
Clothing	1,575	2,551,600
Cotton goods	5,147	4,249,349
Cotton (raw)	1,801	438,240
Rope	92	13,800
All other	4,610	2,996,500
Wood and paper:		
Lumber and timber	36,374	841,414
Lath	7,786	756,710
Wood pulp	50,154	1,601,798
Cord wood	1,747	6,356
All other	25,901	506,143
Nonmetallic minerals:		
Asphalt	2,642	46,302
Brick (building)	201,538	1,455,366
Brick (hollow tile)	250	3,250
Cement	290,583	3,476,170
Lime	3	100
Gravel	5,805	10,135
Sand	8,204	9,360
Paving blocks (stone)	440	3,740
Salt	65,873	693,516
Glassware	465	27,900
Clay	21,426	210,416
Clay manufactures	450	27,450
Coal	129,090	1,102,485
Nonmetallic minerals—Continued.		
Molding sand	21,335	$83,360
Lubricating oil	6,229	353,176
Other petroleum products	238,803	11,423,085
Chalk and whiting	140	1,540
Sulphur	36,120	722,600
All other	7,756	271,460
Ores, metals and manufactures:		
Copper (sheet bar wire)	5,386	1,615,800
Copper (ingot)	225	58,500
Iron ore	4,536	65,600
Iron (pig and scrap)	29,213	728,450
Iron (mine tailings)	1,179	1,769
Cast-iron manufactures	780	155,282
Steel (ingot, sheet, bar, etc)	3,367	184,072
Steel manufactures	557	30,635
Structural steel	4,983	251,750
Wire (iron or steel)	15	2,250
Lead (sheet, bar, ingot)	3,423	486,066
Lead manufactures	1	240
Other metals (sheet, bar, etc)	2,226	445,200
Other metal manufactures	963	288,900
Hardware	395	87,690
All other	7,147	588,614
Machinery and vehicles:		
Engines and machinery	1,794	512,172
Automobiles	4,914	7,371,000
Chemicals:		
Drugs and chemicals	6,984	265,392
Fertilizer (chemical)	272	7,550
Alcohol and products)	82	27,216
All other	27,657	2,670,641
Unclassified:		
Ice	68,165	236,912
Pianos	287	204,344
General and miscellaneous	29,482	8,844,600
All other	801	270,850
Total	1,822,886	92,833,187

SUMMARY.

Classes of commodities.	Foreign, imports.		Domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			7,759	$3,840,100	7,759	$3,840,000
Vegetable food products			79,237	14,727,559	79,237	14,727,449
Other vegetable products			1,433	1,778,618	1,433	1,778,618
Textiles			24,962	20,479,834	24,962	20,479,834
Wood and paper			89,253	3,051,143	89,253	3,051,143
Nonmetallic minerals	6,205	$8,688	3,562,364	20,347,538	3,568,569	20,356,226
Ores, metals, and manufactures			12,008	1,845,993	12,008	1,845,993
Machinery and vehicles			1,640	1,609,368	1,640	1,609,368
Chemicals			2,351	157,702	2,351	157,702
Unclassified			317,340	21,156,837	317,340	21,156,837
Total	6,205	8,688	4,098,347	88,994,692	4,104,552	89,003,380

	Short tons.	Value.
Cargoes in transit	1,822,886	$92,833,187

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HUDSON RIVER, N. Y. (MIDDLE SECTION)—continued.

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers	58	3,078	3,079	24	10,062	6	26
Towboats				20	54	6	7
Sailing vessels	21	106	106	40	300	3	16
Canal boats, lighters, barges, etc	2,328	13,297	13,297	50	1,200	3	14

Passengers carried, 2,317,858.

Vessels built and launched.

Class.	Number.	Tonnage.	Value.
Steel hulls	8		
Dry docks	5	2,000	$750,000
Deck scows	2	700–800	20,500
Coal barges	3	2,200	30,000
Barges	1	900	12,000
Canal boats, lighters, barges, etc	6	3,900	63,000

FEDERAL LOCK, TROY, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1915	332,213	$5,691,100	1919	686,419	$46,740,402
1916	651,705	12,758,644	1920	706,193	38,960,120
1917	573,526	13,471,853	1921	1,070,996	70,777,954
1918	618,082	30,898,050			

[Navigation season, May 6, 1921, to December 10, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
Vegetable food products			356,032		$18,872,396
Grain	320,070			$15,363,360	
Hay		427		8,540	
Wheat	9,985			479,280	
Oats	5,140			246,720	
Barley	4,439			213,072	
Corn	5,213			250,224	
Flaxseed	870			41,760	
Oil cake		870		60,030	
All other		9,018		2,209,410	
Other vegetable products: Rosin	150		150	5,250	5,250
Wood and paper			78,103		2,796,019
Paper and wood pulp		22,170		1,551,900	
Paper		200		20,000	
Cord wood		168		1,139	
Empty barrels		25		1,100	
Lumber	55,540			1,221,880	

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FEDERAL LOCK, TROY, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
Nonmetallic minerals			476,155		$5,163,523
Asphalt		866		$7,794	
Brick and plaster		26,746		193,341	
Cement		11,103		166,545	
Coal	47,150			177,200	
Salt	60,964			731,568	
Sand, clay, gravel, and crushed stone	198,450			257,985	
Sulphur	40,549			810,980	
Gasoline	15,762			1,308,246	
Kerosene	2,517			140,952	
Other petroleum products	72,048			1,368,912	
Ores, metals, and manufactures			3,826		182,393
Iron ore	1,549			6,196	
Pig iron		775		19,375	
Copper bar		365		109,500	
Tailings	300			450	
Sheet steel		837		46,872	
Machinery and vehicles: Castings and Machinery		10	10	3,000	3,000
Chemicals: Soda ash		442	442	21,658	21,658
Unclassified			156,278		43,733,715
Ice		10,605		31,815	
General merchandise		145,673		43,701,900	
Total	840,696	230,300	1,070,996		70,777,964

Vessel classification, 1921.

Towboats	2,854
Freight steamers	631
Canal boats and barges	5,424
Motor boats and dredges	1,143
Total	10,052
Number of lockages	3,204
Number of vessels ascended	5,043
Number of vessels descended	5,009

NARROWS OF LAKE CHAMPLAIN, N. Y. AND VT.

Comparative statement of traffic.

Year.	Tonnage.	Value.	Year.	Tonnage.	Value.
1895	565,414	(1)	1909	625,604	(1)
1896	826,880	(1)	1910	674,683	(1)
1897	604,800	(1)	1911	825,975	(1)
1898	519,873	(1)	1912	548,699	$6,487,000
1899	498,731	(1)	1913	424,933	4,675,311
1900	848,457	(1)	1914	466,700	4,448,438
1902	714,741	(1)	1915	437,791	5,425,524
1903	395,234	(1)	1916	390,020	5,795,351
1904	590,789	(1)	1917	411,981	8,487,981
1905	651,592	(1)	1918	343,514	8,751,914
1906	698,617	(1)	1919	323,023	9,185,389
1907	676,051	(1)	1920	449,970	11,108,847
1908	724,529	(1)	1921 [2]	207,709	5,967,261

[1] No statistics available.
[2] Includes 143,739 tons cargoes in transit, valued at $5,466,891.

Passengers carried, none.

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NARROWS OF LAKE CHAMPLAIN, N. Y. AND VT.—continued.

[Navigation season, May 1, 1921, to Nov. 30, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Nonmetallic minerals: Coal	60,316	60,316	$482,528	$482,528

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS.						*Miles.*
Nonmetallic minerals			1,574		$12,992	
Clay	200			$2,000		38.8
Coal	1,374			10,992		216.0
Ores, metals and manufactures: Iron (mine tailing)	1,850		1,850	2,775	2,775	38.8
Total receipts, domestic	3,424		3,424		15,767	
SHIPMENTS.						
Nonmetallic minerals: Coal	230		230	1,840	1,840	90.0
Total receipts and shipments, domestic	3,654		3,654		17,607	

CARGOES IN TRANSIT.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Animals and animal products: Fish	78	$12,402	Nonmetallic minerals—Continued.	2,481	$6,939
Vegetable food products, etc.:			Moulding sand	10,606	880,298
Hay	415	8,300	Gasoline		
Sugar	638	63,800	Other petroleum products	783	14,877
All other	1,185	290,325	Sulphur	1,640	32,800
Other vegetable products: Logging extracts	16	6,848	All other	22	770
Textiles: Unclassified	53	34,450	Ores, metals, and manufactures:	999	1,499
Wood and paper:			Iron (mine tailings)	4,812	51,789
Lumber and timber	27,575	533,509	All other	250	6,825
Lath	7,652	744,762	Chemicals:	3,913	406,952
Wood pulp	28,599	1,222,830	Chemical (fertilizer)		
All other	244	10,736	Unclassified	2,359	707,400
Nonmetallic minerals:			Unclassified: General merchandise	143,739	5,466,891
Salt	1,041	12,492			
Clay	14,632	146,320			
Coal	33,746	269,968	Total		

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NARROWS OF LAKE CHAMPLAIN, N. Y., AND VT.—continued.

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals	60,316	$482,528	1,804	$14,832	62,120	$497,360
Ores, metals, and manufactures			1,850	2,775	1,850	2,775
Total	60,316	482,528	3,654	17,607	63,970	500,135

	Short tons.	Value.
Cargoes in transit	143,739	$5,466,891

Vessel classification.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals	Departures.	Least.	Greatest.	Least.	Greatest.
Registered: Canal boats, lighters, barges, etc	172	42	699	699	150	400	3	10

Passengers carried, none.

BURLINGTON HARBOR, VT.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1895	180,346	(1)	1909	78,935	(1)
1896	145,981	(1)	1910	90,000	(1)
1897	109,180	(1)	1911	100,000	(1)
1898	116,527	(1)	1912	65,381	$1,246,000
1899	87,630	(1)	1913	44,510	940,000
1900	131,226	(1)	1914	20,279	1,853,030
1901	106,234	(1)	1915	23,284	2,219,900
1902	102,825	(1)	1916	10,867	3,109,660
1903	106,763	(1)	1917	13,625	4,204,570
1904	107,421	(1)	1918	57,392	8,511,354
1905	109,646	(1)	1919	60,650	5,473,140
1906	83,098	(1)	1920	46,579	8,064,286
1907	93,118	(1)	1921	26,279	6,206,377
1908	91,374	(1)			

[1] No statistics available.

Passengers carried, 97,653 in 1917, 55,694 in 1918, 64,730 in 1919, 67,783 in 1920, and 77,675 in 1921.

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[Navigation season, May 1, 1921, to Nov. 30, 1921.]

BURLINGTON HARBOR, VT.—continued.

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper		5,976		$125,181
Lumber and timber	5,621		$122,016	
Lath	53		2,897	
All other	302		268	
Total imports		5,976		125,181

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS.						*Miles.*	*Cents.*
Nonmetallic minerals			10,751		$857,517		
Gasoline	10,207			$847,181		143.8	
Other petroleum products	544			10,336		143.8	
Chemicals: Fertilizer (chemical)		250	250	6,825	6,825	303.8	
Unclassified: General merchandise		3,308	3,308	2,075,996	2,075,996	171.0	19.1
Total receipts, domestic	10,751	3,558	14,309		2,940,338		
SHIPMENTS.							
Wood and paper: Lumber and timber	1,152		1,152	31,904	31,904	297.0	.6
Unclassified: General merchandise		4,842	4,842	3,108,954	3,108,954	36.3	19.1
Total shipments, domestic	1,152	4,842	5,994		3,140,858		
Total receipts and shipments, domestic	11,903	8,400	20,303		6,081,196		

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper	5,976	$125,181	1,152	$31,904	7,128	$157,085
Nonmetallic minerals			10,751	857,517	10,751	857,517
Chemicals			250	6,825	250	6,825
Unclassified			8,150	5,184,950	8,150	5,184,950
Total	5,976	125,181	20,303	6,081,196	26,279	6,206,377

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BURLINGTON HARBOR, VT.—continued.

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Steamers	3	.....	697	695	344	608	9	11
Canal boats, lighters, barges, etc.	26	13	53	53	83	400	3	10

Passengers carried, 77,675.

PLATTSBURG HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tonnage.	Value.	Year.	Tonnage.	Value.
1895	46,395	(1)	1913	6,016	$549,600
1902	241,225	(1)	1914	7,783	350,140
1903	261,080	(1)	1915	6,808	971,250
1904	261,107	(1)	1916	11,562	1,209,350
1908	253,429	(1)	1917	7,457	1,779,150
1909	257,950	(1)	1918	3,572	811,746
1910	260,185	(1)	1919	4,747	1,359,325
1911	262,075	(1)	1920	4,853	1,545,599
1912	26,481	$829,272	1921	3,951	1,430,808

[1] No statistics available.

Passengers carried, 97,653 in 1917, 55,694 in 1918, 64,730 in 1919, 67,838 in 1920, 77,866 in 1921.

[Navigation season, May 1, 1921, to Nov. 30, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and pulp: Wood pulp	426	426	$29,820	$29,820

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS.						*Miles.*	*Cents.*
Nonmetallic minerals: Coal	205	.....	205	$1,840	$1,840	90.0	.....
Unclassified: General merchandise	.....	1,514	1,514	660,918	660,918	53.8	13.9
Total receipts, domestic	205	1,514	1,719	.....	662,758	.....	.....
SHIPMENTS.							
Unclassified: General merchandise	.....	1,806	1,806	788,230	788,230	53.8	13.9
Total receipts and shipments, domestic	205	3,320	3,525	.....	1,450,988	.....	.....

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PLATTSBURG HARBOR, N. Y.—continued.

SUMMARY.

Classes of commodities.	Foreign.		Domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper	426	$29,820			426	$29,820
Nonmetallic minerals			205	$1,840	205	1,840
Unclassified			3,320	1,449,148	3,320	1,449,148
Total	426	29,820	3,525	1,450,988	3,951	1,480,808

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers	3	518	520	344	608	9	11
Canal boats, lighters, barges, etc.	2	3	3	83	300	3	10

Passengers carried, 77,866.

PORT HENRY HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1917	49	$11,570	1,605	1920	117,854	$1,185,322	380
1918	34,765	206,099	2,353	1921 [1]	2,919	40,778	3,181
1919	42,556	236,416	1,973				

[1] Decrease due to small shipments of iron ore.

[Navigation season, May 1, 1921, to Nov. 30, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS.							
Unclassified: General merchandise		65	65	$26,015	$26,015	*Miles.* 55.0	*Cents.* 12.9
SHIPMENTS.							
Nonmetallic minerals: Clay	200		200	2,000	2,000	40.0	
Ores, metals, and manufactures: Iron (mine tailings)	2,632		2,632	3,948	3,948	276.8	
Unclassified: General merchandise		22	22	8,815	8,815	55.0	12.9
Total shipments, domestic	2,832	22	2,854		14,763		
Total receipts and shipments, domestic	2,832	87	2,919		40,778		

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PORT HENRY HARBOR, N. Y.—continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Nonmetallic minerals	200	$2,000
Ores, metals, and manufactures	2,632	3,948
Unclassified	87	34,830
Total	2,919	40,778

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers	2	182	182	344	608	9	11
Canal boats, lighters, barges, etc	8	15	15	83	300	3	10

Passengers carried, 3,181.

CONEY ISLAND CREEK, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.
1920	202,492	$4,216,109
1921	255,818	2,762,105

[Navigation season; continuous.]

Freight traffic, 1921.

DOMESTIC.

	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Nonmetallic minerals			54,856		$73,861		
Gravel	39,898			$57,723		50.0	
Sand	14,958			16,138		50.0	
Total receipts, coastwise	54,856		54,856		73,861		
RECEIPTS, INTERNAL.							
Wood and paper: Lumber and timber (sawed)	603		603	16,687	16,687	291.0	0.4
Nonmetallic minerals: Crushed stone	6,944		6,944	9,478	9,478	51.0	
Total internal receipts	7,547		7,547		26,165		

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CONEY ISLAND CREEK, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT.							
						Miles.	*Cents.*
Wood and paper: Lumber and timber	3,000		3,000	$66,000	$66,000	12.7	
Nonmetallic minerals			175,134		521,767		
Cement		1,000		15,000		11.0	
Coal	37,717			369,489		15.2	5.6
Ashes	131,284			19,697		11.7	
Petroleum products	4,583			95,048		13.14	
Lubricating oil		6		517		12.7	
Gasolene		131		10,987		12.7	
Kerosene		413		11,029		12.7	
Machinery and vehicles: Machinery		500	500	1,000,000	1,000,000	18.2	
Unclassified: General merchandise		7	7	2,100	2,100	12.7	
Total receipts, intraport	176,584	2,057	178,641		1,589,867		
SHIPMENTS, INTRAPORT.							
Nonmetallic minerals: White sand	11,584		11,584	64,140	64,140	28.7	6.9
Machinery and vehicles: Machinery		500	500	1,000,000	1,000,000	15.3	
Unclassified: Ice	2,690		2,690	8,072	8,072	12.5	
Total shipments, intraport	14,274	500	14,774		1,072,212		
Total receipts and shipments, intraport	190,858	2,557	193,415		2,662,079		

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper			3,603	$82,687	3,603	$82,687
Nonmetallic minerals	54,856	$73,861	193,662	595,385	248,518	669,246
Machinery and vehicles			1,000	2,000,000	1,000	2,000,000
Unclassified			2,697	10,172	2,697	10,172
Total	54,856	73,861	200,962	2,688,244	255,818	2,762,105

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Towboats	18	613	613	22	63	6	10
Canal boats, lighters, barges, etc	250	613	613	300	700	3	11

Passengers carried, none.

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PECONIC BAY, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.
1920	4,068	$79,294
1921 [1]	17,976	844,506

[1] Includes 8,218 tons cargoes in transit, valued at $306,506.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
COASTWISE SHIPMENTS.						*Miles.*
Animals and animal products: Oysters and clams	4,150	.....	4,150	$249,000	$249,000	65
INTRAPORT [1] SHIPMENTS.						
Animals and animal products: Oysters and clams	3,948	.....	3,948	189,400	189,400	16
LOCAL TRAFFIC.						
Animals and animal products: Oysters and clams	1,660	.....	1,660	99,600	99,600	.....

[1] The term "Intraport" is here meant to include traffic to localities on the various bays at the eastern end of Long Island.

CARGOES IN TRANSIT.

Classes and commodities.	Amount in short tons.	Value.
Animals and animal products:		
Oysters and clams	7,500	$300,000
Oyster shells	292	1,600
Nonmetallic minerals: Coal	426	4,906
Total	8,218	306,506

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	4,150	$249,000	5,608	$289,000	9,758	$538,000

	Short tons.	Value.
Cargoes in transit	8,218	$306,506

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PECONIC BAY, N. Y.—continued.

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Sailing vessels	1	1	1				
Motor boats	4	38	38				
Canal boats, lighters, barges, etc.	5	99	99	400	500	2	7

Passengers carried, none.

GARDINERS BAY, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.
1920	10,410	$816,041
1921	29,213	945,289

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
INTRAPORT SHIPMENTS.						*Miles.*
Animals and animal products: Fish	418		418	$43,250	$43,250	16.0
Wood and paper: Cord wood	260		260	2,137	2,137	17.0
Total shipments, intraport [1]	678		678		45,387	

[1] The term "intraport" is here meant to include traffic to localities on the various bays at the eastern end of Long Island.

CARGOES IN TRANSIT.

Classes of commodities.	Amount in short tons.	Value.	Classes of commodities.	Amount in short tons.	Value.
Animals and animal products:			Nonmetallic minerals:		
Fish	22	$12,000	Brick (building)	23,339	$16,922
Oysters and clams	7,903	153,148	Coal	3,607	38,506
Oyster shells	506	4,340	Coke	152	1,267
Scallops	49	21,854	Lubricating oil	1	80
Manure	881	1,122	Kerosene	14	680
Vegetable food products:			Ores, metals and manufactures: Tin cans	1	125
Vegetables	1,609	86,250	Chemicals: Fertilizer (chemicals)	2,179	65,370
Grain	6	140	Unclassified: General merchandise	1,493	448,100
Potatoes	7,693	45,001			
Wood and paper:					
Lumber and timber (sawed)	75	4,715	Total	28,535	899,902
Shingles	5	282			

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GARDINERS BAY, N. Y.—continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	418	$43,250
Wood and paper	260	2,137
Total	678	45,387

	Tons.	Value.
Cargoes in transit	28,535	$899,902

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Sailing vessels	28	377	387	10	120	4	9
Canal boats, lighters, barges, etc.	36	122	122	104	565	2	9
Motor boats	14	355	355	2	40	2	5
Steamers	3	246	246	175	700	7	9

Passengers carried, none.

SHELTER ISLAND SOUND, N. Y. (SAG HARBOR).

Comparative statement of traffic.

Year.	Tons.	Value.
1920	2,263	$452,600
1921	2,241	490,860

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities (package).	Amount in short tons by classes.	Value.		Average haul.
			By commodities.	By classes.	
RECEIPTS, COASTWISE.					*Miles.*
Chemicals: Fertilizer (chemical)	672	672	$20,160	$20,160	153.0
Unclassified: General merchandise	663	663	198,900	198,900	38.7
Total receipts, coastwise	1,335	1,335	.....	219,060	.....
SHIPMENTS, COASTWISE.					
Unclassified: General merchandise	331	331	99,300	99,300	38.7
Total receipts and shipments, coastwise	1,666	1,666	.....	318,360	.....
SHIPMENTS, INTRAPORT.[1]					
Unclassified: General merchandise	575	575	172,500	172,500	8.40

[1] The term "Intraport" is here meant to include traffic to localities on the various bays at the eastern end of Long Island.

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SHELTER ISLAND SOUND, N. Y.—continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Chemicals	672	$20,160			672	$20,160
Unclassified	994	298,200	575	$172,500	1,569	470,700
Total	1,666	318,360	575	172,500	2,241	490,860

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers	2	359	359	296	706	8	9
Canal boats, lighters, barges, etc.	2	3	3	104	223		
Motor boats	7	896	896				
Unregistered: Motor boats	6	768	768	2		2	3

Passengers carried, none.

GREENPORT HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.
1920	24,194	$1,518,390	112,412
1921	30,555	1,461,042	92,206

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Animals and animal products			3,439		$70,352		
Oysters and clams		3,411		$65,900		67.5	
Fish	28			4,452		44.0	
Vegetable food products: Grain		6	6	140	140	26.7	
Wood and paper: Shingles		5	5	282	282	26.7	
Nonmetallic minerals			2,183		20,027		
Coke		152		1,267		150.6	
Lubricating oil		1		80		26.7	
Kerosene		14		680		26.7	
Coal	2,016			18,000		153.0	

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GREENPORT HARBOR, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE—contd.							
Ores, metals, and manufactures:						*Miles.*	*Cents.*
Cans	.....	1	1	$125	$125	135.6	.....
Chemicals: Fertilizer (chemical)	.....	573	573	17,190	17,190	87.8	.....
Unclassified: General merchandise	.....	336	336	100,800	100,800	87.0	.....
Total receipts, coastwise	2,044	4,499	6,543	.....	208,916	.....	.....
SHIPMENTS, COASTWISE.							
Animals and animal products	.....	.....	12,127	.....	442,248	.....	.....
Fish	.....	22	.....	12,000	.....	26.7	1.8
Oysters and clams	.....	12,105	.....	430,248	.....	70.2	.....
Vegetable food products: Potatoes	.....	201	201	11,251	11,251	54.0	.....
Nonmetallic minerals: Oyster shells	.....	214	214	2,740	2,740	48.4	.....
Unclassified: General merchandise	.....	163	163	48,900	48,900	26.7	.....
Total shipments, coastwise	.....	12,705	12,705	.....	505,139	.....	.....
Total receipts and shipments, coastwise	2,044	17,204	19,248	.....	714,055	.....	.....
RECEIPTS, INTRAPORT.							
Animals and animal products	.....	.....	3,809	.....	126,598	.....	.....
Fish	363	.....	.....	36,598	.....	15.6	.....
Oysters and clams	3,446	.....	.....	90,000	.....	16.6	.....
Vegetable food products: Vegetables	.....	978	978	47,574	47,574	4.0	.....
Total receipts, intraport	3,809	978	4,787	.....	174,172	.....	.....
SHIPMENTS, INTRAPORT.							
Animals and animal products: Manure	120	.....	120	600	600	4.0	.....
Chemicals: Fertilizer (chemical)	.....	108	108	5,400	5,400	4.0	.....
Unclassified: General merchandise	.....	108	108	32,400	32,400	4.0	.....
Total shipments, intraport	120	216	336	.....	38,400	.....	.....
Total receipts and shipments, intraport [1]	3,929	1,194	5,123	.....	212,572	.....	.....
LOCAL TRAFFIC.							
Animals and animal products: Fish	2	.....	2	200	200	.....	.....
Vegetable food products	.....	.....	81	.....	3,075	.....	.....
Grain	.....	75	.....	3,000	.....	1.5	.....
Hay	.....	5	.....	50	.....	1.5	.....
Straw	.....	1	.....	25	.....	1.5	.....
Total local traffic	2	81	83	.....	3,275	.....	.....

[1] The term "Intraport" is here meant to include traffic to localities on the various bays at the eastern end of Long Island.

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GREENPORT HARBOR, N. Y.—continued.

CARGOES IN TRANSIT.

Classes and commodities.	Amount in short tons.	Value.	Classes and commodities.	Amount in short tons.	Value.
Animals and animal products: Oyster shells	292	$1,600	Chemicals: Fertilizer (chemical)	672	$20,160
Wood and paper:			Unclassified: General merchandise	1,569	470,700
Lumber and timber (sawed)	75	4,715	Total	6,101	531,140
Cord wood	728	2,137			
Nonmetallic minerals:					
Brick (building)	2,339	16,932			
Coal	426	4,906			

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	15,566	$512,600	3,931	$127,398	19,497	$639,998
Vegetable food products	207	11,391	1,059	50,649	1,266	62,040
Wood and paper	5	282			5	282
Nonmetallic minerals	2,397	22,767			2,397	22,767
Ores, metals, and manufactures	1	125			1	125
Chemicals	573	17,190	108	5,400	681	22,590
Unclassified	499	149,700	108	32,400	607	182,100
Total	19,248	714,055	5,206	215,847	24,454	929,902

	Short tons.	Value.
Cargoes in transit	6,101	$531,140

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers	1	231	231	700		9	
Sailing vessels	25	283	283	10	120	4	9
Canal boats, lighters, barges, etc	23	95	95	50	500	2	7
Motor boats	28	971	971	2	40	2	6
Ferryboats	1	4,888	4,888	54			6

Passengers carried, 92,206.

SOUTHOLD BAY, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.
1920	12,279	$576,440
1921	3,142	23,771

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SOUTHOLD BAY, N. Y.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Wood and paper: Lumber and timber	75	.....	75	$4,715	$4,715	30.7	.....
SHIPMENTS, COASTWISE.							
Nonmetallic minerals: Brick (building)	2,339	.....	2,339	16,922	16,922	93.0	3.2
Total receipts and shipments, coastwise	2,414	.....	2,414	.....	21,637	.....	.....
RECEIPTS, INTRAPORT.[1]							
Wood and paper: Cordwood	728	.....	728	2,137	2,137	17.0	.....

[1] The term "Intraport" is here meant to include traffic to localities on the various bays at the eastern end of Long Island.

SUMMARY.

Classes and commodities.	Domestic, coastwise.	
	Tons.	Value.
Wood and paper	803	$6,852
Nonmetallic minerals	2,339	16,922
Total	3,142	23,774

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Sailing vessels	7	33	33	10	120	4	9
Canal boats, lighters, barges, etc.	4	60	60	50	.....	4	.....

Passengers carried, none.

CUTCHOGUE HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.
1920	4,572	$101,623
1921	3,208	155,906

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CUTCHOGUE HARBOR, N. Y.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Nonmetallic minerals: Coal	426	.....	426	$4,906	$4,906	147.6	1.4
SHIPMENTS, COASTWISE.							
Nonmetallic minerals: Oyster shells	292	.....	292	1,600	1,600	7.0	.....
Total receipts and shipments, coastwise	718	.....	718	.....	6,506	.....	.....
RECEIPTS, INTRAPORT.[1]							
Animal and animal products: Oysters and clams	2,490	.....	2,490	149,400	149,400	7.0	.....

[1] The term "Intraport" is here meant to include traffic to localities on the various bays at the eastern end of Long Island.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	.....	.....	2,490	$149,400	2,490	$149,400
Nonmetallic minerals	718	$6,506	.....	.....	718	6,506
Total	718	6,506	2,490	149,400	3,208	155,906

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest
Registered: Canal boats, lighters, barges, etc.	1	1	1	225	500	6	7

Passengers carried, none.

FORT POND BAY, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.
1920	2,375	$281,250
1921	494	57,484

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FORT POND BAY, N. Y.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities (bulk).	Amount in short tons by classes.	Value. By commodities.	Value. By classes.	Average haul.
RECEIPTS, COASTWISE.					*Miles.*
Animals and animal products: Fish	97	97	$10,395	$10,395	12.0
RECEIPTS, INTRAPORT.					
Animals and animal products: Fish	290	290	34,000	34,000	13.0
SHIPMENTS, INTRAPORT.					
Animals and animal products: Fish	78	78	10,885	10,885	25.6
Total receipts and shipments, intraport[1]	368	368		44,885	
LOCAL TRAFFIC.					
Animals and animal products: Fish	29	29	2,204	2,204	

[1] The term "Intraport" is here meant to include traffic to localities on the various bays at the eastern end of Long Island.

SUMMARY.

Classes of commodities.	Domestic. Coastwise. Tons.	Domestic. Coastwise. Value.	Domestic. Other domestic. Tons.	Domestic. Other domestic. Value.	Total. Tons.	Total. Value.
Animals and animal products	97	$10,395	397	$47,089	494	$57,484

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of— Arrivals.	Total number of— Departures.
Registered:			
Sailing vessels	1	75	75
Motor boats	4	51	51

Passengers carried, none.

ORIENT HARBOR, N. Y.

Comparative statement of commerce.

Year.	Tons.	Value.
1920	8,816	$567,866
1921	13,894	445,070

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ORIENT HARBOR, N. Y.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS, COASTWISE.						*Miles.*
Animals and animal products: Manure	881	.....	881	$1,122	$1,122	132
Nonmetallic minerals: Coal	1,040	.....	1,040	15,600	15,600	161
Chemicals: Fertilizer (chemical)	.....	934	934	28,020	28,020	95
Total receipts, coastwise	1,921	934	2,855	.....	44,742	.....
SHIPMENTS, COASTWISE.						
Animals and animal products: Scallops	.....	49	49	21,854	21,854	38
Vegetable food products	.....	.....	9,101	.....	120,000	.....
Vegetables	.....	1,609	.....	86,250	.....	64
All other	.....	7,492	.....	33,750	.....	51
Total shipments, coastwise	.....	9,150	9,150	.....	141,854	.....
Total receipts and shipments, coastwise	1,921	10,084	12,005	.....	186,596	.....
RECEIPTS, INTRAPORT.[1]						
Animals and animal products: Manure	120	.....	120	600	600	4
Chemical: Fertilizer (chemical)	.....	108	108	5,400	5,400	4
Unclassified: General merchandise	.....	683	683	204,900	204,900	7
Total receipts, intraport	120	791	911	.....	210,900	.....
SHIPMENTS, INTRAPORT.[1]						
Vegetable food products: Vegetables	.....	978	978	47,574	47,574	4
Total receipts and shipments, intraport	120	1,769	1,889	.....	258,474	.....

[1] The term "Intraport" is here meant to include traffic to localities on the various bays at the eastern end of Long Island.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	930	$22,976	120	$600	1,050	$23,576
Vegetable food products	9,101	120,000	978	47,574	10,079	167,574
Nonmetallic minerals	1,040	15,600	.....	.....	1,040	15,600
Chemicals	934	28,020	108	5,400	1,042	33,420
Unclassified	.....	.....	683	204,900	683	204,900
Total	12,005	186,596	1,889	258,474	13,894	445,070

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ORIENT HARBOR, N. Y.—continued.

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers	2	15	15	175			6
Sailing vessels	4	15	15	18		5	
Canal boats, lighters, barges, etc.	9	11	11	50	565	2	9
Motor boats	20	286	286	2	40	2	6

Passengers carried, none.

YONKERS, N. Y.

[Navigation season, continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products: Sugar	509,104	509,104	$49,485,455	$49,485,455
Wood and paper		408		11,150
Lumber and timber	375		8,750	
Lath	33		2,400	
Total imports		509,512		49,496,605

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Wood and paper			5,546		$125,619		
Lumber and timber	5,085			$103,386		5,103.0	
Shingles		309		9,939		6,528.0	
Lath		152		12,294		6,528.0	
Nonmetallic minerals			10,107		14,081		
Gravel	4,419			8,183		65.0	0.6
Sand	5,688			5,898		50.2	
Total receipts, coastwise	15,192	461	15,653		139,700		
INTERNAL RECEIPTS.							
Nonmetallic minerals			42,135		397,844		
Brick (building)	5,000			37,500		60.0	4.4
Cement		840		11,100		100.0	
Flagging		685		9,169		83.0	
Coal	35,610			340,075		73.0	
Total internal receipts	40,610	1,525	42,135		397,844		
RECEIPTS, INTRAPORT.							
Animals and animal products			1,565		592,284		
Horses		1		1,000		17.0	
Leather		556		166,800		17.0	
All other		1,008		424,484		17.0	
Vegetable food products			22,791		2,250,682		
Fruits		41		4,095		17.0	
Vegetables		27		2,678		17.0	
Flour		49		3,976		17.0	
Grain		11		510		17.0	
Hay		2		40		17.0	
Sugar		22,486		2,196,508		18.5	
All other		175		42,875		17.0	

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YONKERS, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT—contd.						*Miles.*	*Cents.*
Other vegetable products			247		$232,709		
Rubber		43		$19,734		17.0	
Tobacco		169		211,250		17.0	
All other		35		1,725		17.0	
Textiles			4,284		1,921,650		
Wool (raw)		2,833		991,500		17.0	
All other		1,431		930,150		17.0	
Wood and paper			4,647		439,710		
Wooden lagging		75		4,480		18.5	
All other		4,572		435,230		20.0	
Nonmetallic minerals			236,277		2,431,616		
Asphalt		150		3,650		26.0	
Brick (hollow tile)		50		650		17.0	
Cement		1,301		19,515		17.0	
Lime		26		904		17.0	
Sand	27			2,700		17.0	
Salt		316		3,792		17.0	
Coal	178,211			1,336,583		29.8	
Ashes	35,398			5,311		17.0	
Lubricating oil		1,027		82,160		17.0	
Gasolene		7,721		643,427		38.8	
Kerosene		843		27,463		38.8	
Other petroleum products		10,333		268,983		32.4	
Chalk and whiting		30		900		17.0	
Sulphur		3		210		17.0	
All other		841		65,338		19.0	
Ores, metals, and manufactures			4,799		623,441		
Copper (wire)		101		30,500		17.0	
Iron (pig and scrap)		5		125		17.0	
Iron (sheet, bar, etc.)		356		53,400		17.0	
Iron oxide		68		889		31.5	
Steel (sheet, bar, ingot)		2		500		17.0	
Lead (sheet, bar, ingot)		3,000		293,140		24.3	
Other metals (sheet, bar, etc.)		1,042		208,400		17.0	
Pipe (cast iron)		211		28,696		17.0	
Hardware		8		5,000		17.0	
All other		6		2,791		17.0	
Machinery and vehicles: Agricultural implements		2	2	570	570	17.0	
Chemicals			495		21,071		
Drugs and chemicals		474		18,012		17.0	
Fertilizer (chemical)		1		336		17.0	
All other		20		2,723		17.0	
Unclassified			12,162		4,210,215		
General and miscellaneous		11,855		4,106,449		17.0	
All other		307		103,766		17.0	
Total receipts, intraport	213,636	73,613	287,249		12,783,948		
SHIPMENTS INTRAPORT.							
Vegetable food products			259,276		38,498,539		
Sugar		248,912		35,959,389		18.5	7.6
All other		10,364		2,539,180		18.5	
Textiles			4,217		1,134,942		
Bags		2,057		134,507		18.5	
All other		2,160		1,050,435		18.5	
Wood and paper: Shooks		26	26	1,102	1,102	17.0	
Ores, metals, and manufactures: Copper (sheet, bar, etc.)		8,228	8,228	2,468,400	2,468,400	17.0	
Machinery and vehicles			421		232,300		
Engines and machinery		261		78,300		17.0	
All other		160		154,000		17.0	
Total shipments, intraport		272,168	272,168		42,385,313		
Total receipts and shipments, intraport	213,636	345,781	559,417		55,139,261		

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YONKERS, N. Y.—continued.

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic.				Total.	
			Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products					1,565	$592,284	1,565	$592,284
Vegetable food products	509,104	$49,485,455			282,067	40,749,251	791,171	90,234,706
Other vegetable products					247	232,709	247	232,709
Textiles					8,481	3,106,592	8,481	3,106,592
Wood and paper	408	11,150	5,546	$125,619	4,673	440,812	10,627	577,581
Nonmetallic minerals			10,107	14,081	278,412	2,859,460	288,519	2,873,541
Ores, metals and manufactures					13,027	3,091,841	13,027	3,091,841
Machinery and vehicles					423	232,870	423	232,870
Chemicals					495	21,071	495	21,071
Unclassified					12,162	4,210,215	12,162	4,210,215
Total	509,512	49,496,605	15,653	139,700	601,552	55,537,105	1,126,717	105,173,410

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Steamers	78	30	545	545	360	8,800	10	26
Sailing vessels	1		1	1				
Canal boats, lighters, barges, etc.	223		1,306	1,306	100	1,021	3	14
Unregistered: Canal boats, lighters, barges, etc	2		34	34	224	754	6	13

Passengers carried, 88,000.

HASTINGS, N. Y.

[Navigation season, from Mar. 3, 1921, to Dec. 30, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Nonmetallic minerals: Asphalt	6,165	6,165	$54,177	$54,177
EXPORTS.				
Ores, metals and manufactures: Copper rods	100	100	16,500	16,500
Total imports and exports		6,265		70,677

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HASTINGS, N. Y.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Nonmetallic minerals: Crushed stone	34,268		34,268	$61,471	$61,471	*Miles.* 83.0	*Cents.*
RECEIPTS, INTERNAL.							
Nonmetallic minerals			36,978		94,664		
Crushed stone	31,916			44,044		21.0	
Coal	5,062			50,620		70.0	
Total receipts, internal	36,978		36,978		94,664		
SHIPMENTS, INTERNAL.							
Nonmetallic minerals: Paving blocks (asphalt)		3,942	3,942	32,724	32,724	108.0	
Total receipts and shipments, internal	36,978	3,942	40,920		127,388		
RECEIPTS, INTRAPORT.							
Other vegetable products: Unclassified		533	533	24,475	24,475	20.8	
Nonmetallic minerals			14,360		115,036		
Asphalt		200		4,415		29.0	
Coal	11,830			66,342		18.0	
Petroleum products		2,330		44,279		29.0	
Ores, metals and manufactures			8,457		2,077,736		
Copper (sheet, bar, wire)		5,821		1,405,500		37.5	3.6
Copper (ingot)		2,555		664,300		37.5	
Lead (sheet, bar, ingot)		18		2,161		41.8	
All other		63		5,775		28.0	
Chemicals: Drugs and chemicals		26	26	988	988	36.5	
Unclassified: General and miscellaneous		750	750	225,000	225,000	18.0	
Total receipts, intraport	11,830	12,296	24,126		2,443,285		
SHIPMENTS, INTRAPORT.							
Nonmetallic minerals: Paving blocks (asphalt)		79,641	79,641	663,013	663,013	33.9	
Ores, metals, and manufactures: Unclassified		2,421	2,421	959,735	959,735	29.5	
Unclassified: General and miscellaneous		105	105	31,500	31,500	18.0	
Total shipments intraport		82,167	82,167		1,654,248		
Total receipts and shipments, intraport	11,830	94,463	106,293		4,097,483		

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Other vegetable products							533	$24,475	533	$24,475
Nonmetallic minerals	6,165	$54,177			34,268	$61,471	134,921	905,437	175,354	1,021,085
Ores, metals, and manufactures			100	$16,500			10,878	3,037,471	10,978	3,053,971
Chemicals							26	988	26	988
Unclassified							855	256,500	855	256,500
Total	6,165	54,177	100	16,500	34,268	61,471	147,213	4,224,871	187,746	4,357,019

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HASTINGS, N. Y.—continued.

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers	1	306	306	205	260	7	9
Canal boats, lighters, barges, etc	141	396	396	100	500	3	10

Passengers carried, none.

FORT SLOCUM, N. Y.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS, INTRAPORT.						
Animals and animal products: Dressed meats		95	95	$29,764	$29,764	Miles. 1.5
Vegetable food products			290		21,260	
Fruits		31		2,300		1.5
Vegetables		39		1,560		1.5
Flour		69		8,400		27.6
Grain		25		480		27.6
Hay		64		1,280		27.6
Straw		12		240		1.5
Sugar		50		7,000		1.5
Other vegetable products: Tobacco		7	7	200	200	27.6
Textiles			452		1,350,700	
Clothing		450		1,350,000		27.6
Rope		2		700		27.6
Wood and paper			157		4,730	
Lumber and timber		39		600		27.6
Shingles		11		750		27.6
Piles or logs		60		3,000		27.6
Cord wood	56			380		27.6
Nonmetallic minerals			6,627		52,169	
Marble		1		700		1.5
Cement		160		2,600		27.1
Lime		5		75		27.6
Sand	810			810		1.5
Sewer pipe		3		60		27.6
Salt		24		480		27.6
Glassware		4		2,000		27.6
Coal	5,560			42,144		26.6
Gasolene		18		1,500		27.6
Kerosene		27		1,820		27.6
Other petroleum products		15		280		25.9
Ores, metals, and manufactures			33		5,880	
Structural steel		20		1,200		27.6
Wire (iron or steel)		3		180		27.6
Pipe (wrought iron)		10		4,000		27.6
Machinery and vehicles			122		10,980	
Engines and machinery		117		10,000		27.6
Agricultural implements		5		380		27.6
Chemicals: Drugs and chemicals		1	1	20	20	27.6
Unclassified			2,250		601,250	
Ice		250		1,250		27.6
General merchandise		2,000		600,000		27.6
Total receipts, intraport	6,426	3,608	10,034		2,075,773	
SHIPMENTS, INTRAPORT.						
Animals and animal products: Horses		20	20	5,735	5,735	1.5
Unclassified			1,228		150,130	
General merchandise		498		149,400		27.6
Garbage	730			730		1.5
Total shipments, intraport	730	518	1,248		155,865	
Total receipts and shipments, intraport	7,156	4,126	11,282		2,231,638	

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FORT SLOCUM, N. Y.—continued.

SUMMARY.

Classes of commodities.	Domestic.		Total.	
	Tons.	Value.	Tons.	Value.
Animals and animal products	115	$35,499	115	$35,499
Vegetable food products	290	21,260	290	21,260
Other vegetable products	7	200	7	200
Textiles	452	1,350,700	452	1,350,700
Wood and paper	157	4,730	157	4,730
Nonmetallic minerals	6,627	52,169	6,627	52,169
Ores, metals and manufactures	33	5,380	33	5,380
Machinery and vehicles	122	10,300	122	10,300
Chemicals	1	20	1	20
Unclassified	3,478	751,380	3,478	751,380
Total	11,282	2,231,638	11,282	2,231,638

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers	1	104	104	276			
Canal boats, lighters, barges, etc	3	13	13				
Unregistered: Ferry boats	1	7,716	7,716	180	292	5	9

Passengers carried, 60,000.

IRVINGTON, N. Y.

[Navigation season, from Mar. 3, 1921, to Dec. 30, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
						Miles.	*Cents.*
Wood and paper: Lumber and timber	1,500		1,500	$40,000	$40,000	1,274.0	0.7
Nonmetallic minerals: Sand	568		568	589	589	57.2	
Total receipts, coastwise	2,068		2,068		40,589		
INTERNAL RECEIPTS.							
Nonmetallic minerals			7,864		59,490		
Brick (building)	1,500			11,250		13.0	
Crushed stone	1,830			2,447		17.0	
Coal	4,534			45,793		66.0	
Total internal receipts	7,864		7,864		59,490		
INTERNAL SHIPMENTS.							
Nonmetallic minerals: Coal dust	135		135	4,725	4,725	69.0	1.4
Total internal receipts and shipments	7,999		7,999		64,215		
RECEIPTS, INTRAPORT.							
Nonmetallic minerals: Coal	4,537		4,537	45,380	45,380	18.0	

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IRVINGTON, N. Y.—continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper	1,500	$40,000			1,500	$40,000
Nonmetallic minerals	568	589	12,536	$109,595	13,104	110,184
Total	2,068	40,589	12,536	109,595	14,604	150,184

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Sailing vessels	3	4	4	224	573	10	16
Canal boats, lighters, barges, etc.	15	31	31	100	526	4	8

Passengers carried, none.

DOBBS FERRY, N. Y.

[Navigation season, from Mar. 3, 1921, to Dec. 30, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Wood and paper: Cordwood		188	188	$1,335	$1,335	352.0	
INTERNAL RECEIPTS.							
Nonmetallic minerals			9,493		84,815		
Brick (building)	632			4,973		92.0	1.8
Crushed stone	1,011			1,342		19.0	
Coal	7,850			78,500		68.0	
Total internal receipts	9,493		9,493		84,815		
INTERNAL SHIPMENTS.							
Nonmetallic minerals: Coal dust	154		154	5,390	5,390	71.0	1.4
Total internal receipts and shipments	9,647		9,647		90,205		

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DOBBS FERRY, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS INTRAPORT.						*Miles.*	*Cents.*
Nonmetallic minerals			2,193		$12,223		
Brick (hollow tile)		50		$563		50.5	
Sewer pipe		22		580		22.0	
Coal	2,081			10,980		22.0	
All other		40		100		32.2	
Chemicals: Drugs and chemicals		20	20	760	760	41.5	
Unclassified: General merchandise		505	505	151,500	151,500	22.0	
Total receipts intraport	2,081	637	2,718		164,483		
SHIPMENTS INTRAPORT.							
Unclassified: General merchandise		15	15	4,500	4,500	22.0	
Total receipts and shipments, intraport	2,081	652	2,733		168,983		

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper	188	$1,335			188	$1,335
Nonmetallic minerals			11,840	$102,428	11,840	102,840
Chemicals			20	760	20	760
Unclassified			520	156,000	520	156,000
Total	188	1,335	12,380	259,188	12,568	260,523

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Steamers	1	306	306	205	260	7	9
Sailing vessels	3	3	3	40	100	7	10
Canal boats, lighters, barges, etc	22	48	48	100	530	3	11

Passengers carried, none.

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NAPEAGUE HARBOR, N. Y.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
INTRAPORT SHIPMENTS.						*Miles.*
Animals and animal products			680		$25,350	
Fish	150			$15,350		12
Oysters and clams	530			10,000		18
Total shipments, intraport [1]	680		680		25,350	

[1] The term "Intraport" is here meant to include traffic to localities on the various bays at the eastern end of Long Island.

Vessel classification, 1921.

Class.	Number of vessels (American).	Total number of—		Tonnage of vessels.		Draft (feet).	
		Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:							
Sailing vessels	1	75	75				
Motor boats	4	124	124	5	19	3	5

Passengers carried, none.

ROUSES POINT, N. Y.

[Navigation season, May 1, 1921, to Nov. 30, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS.						*Miles.*
Nonmetallic minerals			638		$37,658	
Gasolene	399			$33,117		183.8
Petroleum products	239			4,541		183.8
Total receipts, domestic	638		638		37,658	
SHIPMENTS.						
Vegetable food products: Potatoes		405	405	99,225	99,225	328.8
Total receipts and shipments, domestic	638	405	1,043		136,883	

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ROUSES POINT, N. Y.—continued.

CARGOES IN TRANSIT.

Classes and commodities.	Amount in short tons.	Value.	Classes and commodities.	Amount in short tons.	Value.
Animals and animal products: Fish	78	$12,402	Nonmetallic minerals:		
Vegetable food products:			Salt	1,041	$12,492
Hay	415	8,300	Clay	14,632	146,320
Sugar	638	63,800	Coal	94,062	752,496
All other	780	191,100	Molding sand	2,481	6,939
Other vegetable products:			Sulphur	1,640	32,800
Logging extracts	16	6,848	All other	22	770
Textiles: Unclassified	53	34,450	Ores, metals, and manufactures:		
Wood and paper:			Iron (mine tailing)	217	326
Lumber and timber	32,104	626,199	All other	4,812	51,789
Lath	7,705	747,659	Chemicals: Unclassified	3,913	406,952
Wood pulp	29,025	1,252,650	Unclassified: General and miscellaneous	2,359	707,400
All other	1,069	32,186	Total	197,062	5,093,878

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Vegetable food products	405	$99,225
Nonmetallic minerals	638	37,658
Total	1,043	136,883

	Short tons.	Value.
Cargoes in transit	197,062	$5,093,878

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered: Canal boats, lighters, barges, etc.	171	54	681	681	83	300	3	10

Passengers carried, none.

RYE, N. Y.

Freight traffic, 1921.

[Navigation season, continuous.]

DOMESTIC.

	Amount in short tons by commodities (bulk).	Amount in short tons by classes.	Value.		Average haul.
			By commodities.	By classes.	
RECEIPTS, COASTWISE.					*Miles.*
Nonmetallic minerals: Sand	162	162	$360	$360	22.6

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RYE, N. Y.—continued.

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered: Canal boats, lighters, barges, etc.	1	.....	1	1	175	565	3	9

Passengers carried, none.

OTTER CREEK, VT.

Comparative statement of traffic.

Year.	Tonnage.	Value.	Year.	Tonnage.	Value.
1879	6,750	(1)	1899	7,200	(1)
1880	3,731	(1)	1900	8,090	(1)
1891	6,291	(1)	1901	5,760	(1)
1892	12,275	(1)	1902	2,790	(1)
1893	3,925	(1)	1903	5,300	(1)
1894	14,035	(1)	1904	6,150	(1)
1895	12,675	(1)	1905	7,180	(1)
1896	9,052	(1)	1920	1,366	$45,980
1897	7,680	(1)	1921	583	23,760
1898	(1)	(1)			

[1] No statistics available.

No statistics compiled from 1906 to 1919, inclusive.
Passengers carried, 1904, 1,380; 1905, 4,500; 1920, none.

Freight traffic, 1921.

[Navigation season, May 1, 1921, to Nov. 30, 1921.]

IMPORTS, FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
Wood and paper	.....	583	.....	$23,760
Lumber and timber	60	.....	$2,578	.....
All other	523	.....	21,182	.....
Total imports	.....	583	.....	23,760

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered: Canal boats, lighters, barges, etc.	.....	2	2	2	147	154	6	10

Passengers carried, none.

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NEW YORK, SECOND DISTRICT.

NEWARK BAY, N. J.

Statistics of this waterway previous to 1920 were included in those of Passaic River. The decrease of tonnage for the year 1921 is due to the general business depression which resulted in a decrease in the transportation of building material.

Comparative statement of traffic.

Year.	Tons.	Value.
1920 [1]	1,072,661	$78,412,858
1921 [1]	674,107	51,180,629

[1] Exclusive of the following traffic:

Cargoes in transit.

Year.	Tons.	Value.
1920	2,258,162	$107,369,395
1921	2,100,901	55,181,765

Freight traffic, 1921.

[Navigation season, continuous.]

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Lath	4,267	4,267	$3,260,118	$3,260,118
Nonmetallic minerals: Other petroleum products	125,512	125,512	1,581,451	1,581,451
Total imports		129,779		4,841,569
EXPORTS.				
Textiles		3		25,000
Dry goods	1		16,000	
Cotton goods	2		9,000	
Wood and paper: All other	260	260	31,520	31,520
Nonmetallic minerals		97		50,136
Cement	50		1,500	
Glassware	31		18,936	
All other	16		29,700	
Ores, metals, and manufactures		1,437		95,875
Steel (ingot, sheet, bar)	1,091		38,185	
Steel manufactures	256		25,360	
Wire (iron or steel)	42		5,040	
Other metals (sheet, bar)	2		330	
Pipe (wrought iron)	17		2,760	
All other	29		24,200	
Chemicals: Drugs and chemicals	325	325	105,890	105,890
Unclassified: All other	30	30	20,000	20,000
Total exports		2,152		328,421
Total imports and exports		131,931		5,169,990

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NEWARK BAY, N. J.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Nonmetallic minerals			219,677		$7,196,238		
Gravel	8,311			$5,403		60.8	
Sand	22,544			19,210		52.5	
Other petroleum products	186,632			7,166,150		2,200.0	
All other	2,190			5,475		2,200.0	
Total receipts, coastwise	219,677		219,677		7,196,238		
INTERNAL RECEIPTS.							
Nonmetallic minerals			22,965		98,550		
Brick (building)		9,820		76,596		119.0	1.7
Crushed stone	13,145			21,954		61.5	
Ores, metals, and manufactures			2,210		88,400		
Steel (sheet, bar, etc.)		280		11,200		464.3	.7
Structural steel		1,930		77,200		464.3	.9
Total receipts, internal	13,145	12,030	25,175		186,950		
INTERNAL SHIPMENTS.							
Textiles: Cotton goods		22	22	112,000	112,000	464.3	5.0
Wood and paper: Unclassified		2	2	2,725	2,725	464.3	5.6
Ores, metals, and manufactures			284		12,592		
Cast iron manufactures		49		3,000		464.3	2.3
Structural steel		234		9,368		464.3	
Lead manufactures		1		224		464.3	1.4
Chemicals: Paint and varnish		138	138	59,840	59,840	464.3	2.7
Unclassified: General merchandise		1	1	450	450	464.3	5.6
Total shipments, internal		447	447		187,607		
Total receipts and shipments, internal	13,145	12,477	25,622		374,557		
RECEIPTS, INTRAPORT.							
Vegetable food products: Cocoanut oil		1,017	1,017	177,583	177,583	10.2	
Nonmetallic minerals			5,832		52,705		
Brick (building)	2,366			17,374		31.3	
Ashes	1,293			194		11.2	
Chalk and whiting		1,120		12,320		14.4	
Petroleum products	1,053			23,817		9.2	
Ores, metals, and manufactures			5,036		275,462		
Iron ore	840			13,500		14.4	
Iron (pig and scrap)		1,308		32,700		13.9	
Cast-iron manufactures		1		240		14.4	27.8
Structural steel		537		41,933		14.4	
Pipe, steel		2,240		179,200		14.4	
All other		110		7,889		11.6	
Machinery and vehicles: Engines and machinery		13	13	2,800	2,800	29.7	
Chemicals: Paints		73	73	29,200	29,200	12.5	
Unclassified: General and miscellaneous		38,000	38,000	9,900,000	9,900,000	12.8	
Total receipts, intraport	5,552	44,419	49,971		10,438,750		
SHIPMENTS, INTRAPORT.							
Vegetable food products: Peanut oil		76	76	19,810	19,810	10.2	
Nonmetallic minerals			159,750		4,791,544		
Cement		100		1,800		14.4	
Coal	24,892			186,690		15.3	
Petroleum products	134,114			4,538,616		10.4	
All other		644		64,438		13.5	

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NEWARK BAY, N. J.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
						Miles.	*Cents.*
Ores, metals, and manufactures			10,837		$333,900		
Steel (sheet, bar)		10,402		$305,000		12.1	
Steel manufactures		12		4,000		30.4	
Structural steel		240		9,600		14.4	
Pipe (wrought-iron)		98		11,800		12.5	
Pipe (steel)		85		3,500		30.4	
Machinery and vehicles: Engines and machinery		131	131	20,000	20,000	11.4	
Chemicals: Paints		112	112	35,840	35,840	12.5	
Unclassified: General merchandise		76,000	76,000	22,800,000	22,800,000	12.3	
Total shipments, intraport	159,006	87,900	246,906		28,001,094		
Total receipts and shipments, intraport	164,558	132,319	296,877		38,439,844		

CARGOES IN TRANSIT.

Classes and commodities.	Amount in short tons.	Value.
Animals and animal products:		
Oysters and clams	50	$2,000
All other	4,285	504,045
Vegetable food products:		
Flour	7,950	955,080
All other	7,994	1,441,968
Other vegetable products:		
All other	3,748	207,709
Textiles:		
Cotton goods	15	11,400
Cotton (raw)	14,975	8,985,000
All other	13,225	5,630,750
Wood and paper:		
Paving block (wood)	48	1,542
Lumber and timber (sawed)	29,438	734,618
Lath	530	50,372
Piles or logs	140	5,600
Ties	53,153	173,220
Wood pulp	280	8,500
All other	971	39,912
Nonmetallic minerals:		
Asphalt	2,852	49,735
Brick (building)	154,688	1,312,873
Brick (hollow tile)	560	6,566
Brick (fire)	410	6,157
Marble	600	21,000
Stone (building)	3,703	44,436
Cement	360	5,400
Gravel	12,200	28,800
Sand	330,633	303,862
Crushed stone	215,128	328,928
Paving blocks (asphalt)	1,173	8,064
Paving blocks (stone)	18,070	112,736
Coal	748,376	7,456,464
Coke	84,577	506,648
Ashes	41,335	6,072
Nonmetallic minerals—Continued.		
Oil (lubricating)	6,940	$335,349
Gasoline	88,642	3,045,652
Kerosene	13,559	594,997
Other petroleum products	27,930	853,608
All other	81,984	1,199,085
Ores, metals and manufactures:		
Copper (ore)	2,575	188,750
Copper (ingot)	1,229	212,160
Iron (pig and scrap)	822	27,712
Cast-iron manufactures	111	6,132
Steel (ingot, sheet, bar, etc.)	222	9,906
Steel manufactures	3,500	17,500
Lead (sheet, bar, etc.)	1,077	86,881
Other metal manufactures	112	6,133
Hardware	1,104	116,000
All other	27,696	899,484
Machinery and vehicles:		
Engines and machinery	151	27,500
All other	810	563,400
Chemicals:		
Drugs and chemicals	9,581	358,856
Fertilizer (chemical)	6,931	202,240
Alcohol and products	420	10,000
All other	14,512	6,079,550
Unclassified:		
Ice	21,671	65,013
General and miscellaneous	36,455	10,933,200
All other	1,400	473,200
Total	2,100,901	55,181,765

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NEWARK BAY, N. J.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products							1,093	$197,393	1,093	$197,393
Textiles			3	$25,000			22	112,000	25	137,000
Wood and paper	4,267	$3,260,118	260	31,520			2	2,725	4,529	3,294,363
Nonmetallic minerals	125,512	1,581,451	97	50,136	219,677	$7,196,238	188,547	4,943,799	533,833	13,771,624
Ores, metals, and manufactures			1,437	95,875			18,367	710,354	19,804	806,229
Machinery and vehicles							144	22,800	144	22,800
Chemicals			325	105,890			323	124,880	648	230,770
Unclassified			30	20,000			114,001	32,700,450	114,031	32,720,450
Total	129,779	4,841,569	2,152	328,421	219,677	7,196,238	322,499	38,814,401	674,107	51,180,629

	Short tons.	Value.
Cargoes in transit	2,100,901	$55,181,765

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Steamers	33	1	298	291	106	5,686	8	26
Towboats	18		1,738	1,738	30	119	4	13
Sailing vessels	27	2	29	29	151		8	
Canal boats, lighters, barges, etc.	1,617		4,343	4,343	106	2,500	3	19
Car floats	1		1	1	1,200	1,600	6	7
Miscellaneous craft	31		276	276	128	700	4	15

Passengers carried, none.

Vessels built and launched.

Class.	Number.	Tonnage.	Value.
Steel cargo steamers	4	21,400	$3,840,000
Steel cargo barges	6	2,460	132,000
Do	4	1,552	85,600

PASSAIC RIVER, N. J.

Comparative statement of traffic.

Statistics of this waterway previous to 1920 were included in those of Newark Bay.

Year.	Tons.	Value.
1920	1,314,241	$95,413,755
1921	1,084,714	52,435,167

The decrease in tonnage for 1921 was due to the general business depression, which had an adverse effect on the industries located along this waterway.

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PASSAIC RIVER, N. J.—continued.

[Navigation season, continuous.]

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper		8,651		$370,784
Lumber and timber	8,121		$220,412	
Lath	530		50,372	
Ores, metals, and manufactures: All other	21,048	21,048	125,842	125,842
Total imports		29,699		396,626

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Wood and paper: Lumber and timber	3,513		3,513	$103,536	$103,536	690.0	
Nonmetallic minerals			292,915		296,854		
Building stone		1,175		14,100		270.0	
Gravel	19,068			27,192		65.5	1.1
Sand	271,480			245,798		57.3	
Paving block (stone)		1.172		9,764		450.0	.4
Ores, metals and manufactures			223		12,265		
Cast iron manufactures		111		6,132		81.8	
Other metal manufactures		112		6,133		81.8	
Total receipts, coastwise	294,081	2,570	296,651		412,655		
INTERNAL RECEIPTS.							
Nonmetallic minerals			293,527		1,947,871		
Brick (building)		142,738		1,213,273		113.0	
Crushed stone	138,658			223,050		58.2	
Coke	879			5,980		104.0	
Oil (lubricating)		152		20,273		124.0	
Kerosene		755		24,599		124.0	
Other petroleum products	10,345			460,696		124.0	
Unclassified			22,471		335,413		
Ice		21,671		65,013		107.0	
All other	800			270,400		461.0	
Total receipts, internal	150,682	165,316	315,998		2,283,284		
RECEIPTS, INTRAPORT.							
Animal and animal products			3,138		339,500		
Oysters and clams	50			2,000		26.9	23.8
All other		3,088		337,500		17.3	
Vegetable food products			13,653		1,873,674		
Flour		7,959		955,080		19.0	8.4
All other		5,694		918,594		19.5	
Other vegetable products: All other		1,254	1,254	108,300	108,300	19.5	
Textiles			1,465		352,150		
Cotton goods		15		11,400		19.5	
All other		1,450		340,750		19.5	
Wood and paper			9,958		252,857		
Lumber and timber	7,268			164,677		19.5	
Piles or logs		800		32,000		19.5	
Ties		726		11,508		19.5	
Wood pulp		280		8,500		19.5	
All other		884		36,172		19.5	

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PASSAIC RIVER, N. J.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT—contd.						*Miles.*	*Cents.*
Nonmetallic minerals			252,134		36,931,528		
Brick (building)	2,330			$17,330		28.0	10.7
Brick (fire)		410		6,157		21.0	7.1
Marble		600		21,000		19.5	
Sand	17,459			17,459		28.0	
Paving blocks (asphalt)		1,173		3,064		28.0	
Paving blocks (stone)		9,706		23,456		19.0	
Coal	119,027			698,287		20.7	1.8
Ashes	5,571			2,285		17.5	
Lubricating oil		5,289		211,008		15.1	
Gasoline		59,858		4,998,911		13.6	
Kerosene		6,308		355,116		12.2	
Other petroleum products	13,503			459,019		12.2	
All other		10,900		107,936		20.9	
Ores, metals and manufactures			6,382		425,950		
Copper ore		2,575		183,750		17.8	7.5
Copper (ingot)	345			89,700		15.7	
Iron (pig and scrap)	138			2,070		19.5	
Hardware		964		60,000		19.5	7.5
All other		2,360		85,430		15.5	
Machinery and vehicles: Cotton machinery		774	774	464,400	464,400	19.0	
Chemicals			17,949		682,734		
Drugs and chemicals		9,581		357,856		19.6	
Fertilizer (chemical)		5,422		159,734		16.4	
All other		2,946		165,144		19.5	
Unclassified			5,215		1,524,000		
General merchandise		4,615		1,321,200		19.3	
All other		600		202,800		19.0	
Total receipts, intraport	165,691	146,231	311,922		12,955,098		
SHIPMENTS, INTRAPORT.							
Animals and animal products: Candles		250	250	60,000	60,000	19.0	12.6
Vegetable food products: All other		2,002	2,002	490,490	490,490	19.1	4.1
Other vegetable products: Tan bark		535	535	1,605	1,605	19.0	6.6
Textiles			26,750		14,275,000		
Cotton (raw)		14,975		8,985,000		19.0	12.1
All other		11,775		5,290,000		19.0	14.5
Wood and paper			135		5,282		
Paving blocks (wood)		48		1,542		11.6	
All other		87		3,740		10.7	
Nonmetallic minerals			38,455		2,354,257		
Coal	6,412			37,275		17.8	
Lubricating oil	994			79,674		17.4	
Gasoline		23,524		1,960,354		24.0	
Kerosene		6,496		215,283		25.2	
Other petroleum products		160		5,763		20.8	
All other		869		55,908		19.1	
Ores, metals, and manufactures			10,795		1,253,801		
Copper (ingots)		884		212,160		19.3	7.8
Iron (pig and scrap)	684			25,642		27.0	
Steel (ingot)		222		9,906		27.0	
Steel manufactures		3,500		175,000		19.5	
Lead (sheet, bar)		1,077		86,881		24.5	6.7
Hardware		140		56,000		19.0	
All other		4,288		688,212		18.6	
Machinery and vehicles: Engines and machinery		151	151	27,500	27,500	16.4	10.5
Chemicals			7,794		6,346,474		
Fertilizer (chemical)		1,509		39,498		18.9	
Alcohol and products		420		540,000		17.2	
All other		5,865		5,766,976		17.9	
Unclassified: General merchandise		43,577	43,577	11,573,100	11,573,100	18.4	
Total shipments, intraport	8,090	122,354	130,444		36,387,509		
Total receipts and shipments, intraport	173,781	268,585	442,366		49,342,602		

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PASSAIC RIVER, N. J.—continued.

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic.				Total.	
			Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products					3,388	$399,500	3,388	$399,500
Vegetable food products					15,655	2,364,164	15,655	2,364,164
Other vegetable products					1,789	109,905	1,789	109,905
Textiles					28,215	14,627,150	28,215	14,627,150
Wood and paper	8,651	$270,784	3,513	$103,536	10,093	258,139	22,257	632,459
Nonmetallic minerals			292,915	296,854	584,116	11,233,656	877,031	11,530,510
Ores, metals, and manufactures	21,048	125,842	223	12,265	17,177	1,679,751	38,448	1,817,858
Machinery and vehicles					925	491,900	925	491,900
Chemicals					25,743	7,029,208	25,743	7,029,208
Unclassified					71,263	13,432,513	71,263	13,432,513
Total	29,699	396,626	296,651	412,655	758,364	51,625,886	1,084,714	52,435,167

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Steamers	4	1	153	153	106	300	8	10
Towboats	8		798	798	64	108	4	9
Sailing vessels	18	2	20	20	151		8	
Canal boats, lighters, barges, etc.	724		2,218	2,218	106	1,200	3	18
Miscellaneous craft	9		169	169	128	700	4	15
Car floats	1		1	1	1,200	1,600	6	7

Passengers carried, none.

HACKENSACK RIVER, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1911	314,256	$1,623,242	1917	1,417,262	$6,715,847
1912	924,323	2,270,989	1918	1,841,548	10,228,032
1913	813,972	3,080,406	1919	2,053,142	10,851,698
1914	460,303	2,443,263	1920	1,011,707	12,374,047
1915	795,563	2,731,544	1921	1,463,025	11,226,338
1916	696,391	3,731,867			

Passengers carried, none.

The increase in tonnage for 1921 as compared with 1920 was mainly due to the increased transportation by water of coal and coke by the Seaboard Byproducts Co.

Freight traffic, 1921.

[Navigation season, continuous.]

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Lumber and timber	467	467	$9,141	$9,141

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HACKENSACK RIVER, N. J.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
						Miles.	*Cents.*
Wood and paper: Lumber and timber	3,851		3,851	$100,000	$100,000	330.0	
Nonmetallic minerals			294,199		1,668,965		
Building stone		2,528		30,336		193.0	
Gravel	1,085			1,608		57.5	
Sand	50,929			50,929		57.5	
Crushed stone	9,171			12,698		107.6	
Paving block (stone)	7,141			74,516		288.0	
Coal	219,447			1,469,456		330.0	
Coke	3,898			29,422		94.0	
Total receipts, coastwise	295,522	2,528	298,050		1,768,965		
INTERNAL RECEIPTS.							
Nonmetallic minerals			76,659		170,093		
Brick (building)		9,360		77,220		127.0	
Crushed stone	67,299			92,873		69.5	
Total receipts, internal	67,299	9,360	76,659		170,093		
INTRAPORT, RECEIPTS.							
Animals and animal products			947		106,545		
Tallow		650		75,856		26.9	5.2
Grease		147		14,079		26.9	5.2
Fish oil	150			16,610		22.0	
Vegetable food products: Palm oil		298	298	32,884	32,884	26.9	5.2
Other vegetable products: Rosin		1,959	1,959	97,804	97,804	31.5	4.4
Wood and paper: Piles or logs		4,859	4,859	45,600	45,600	26.9	
Nonmetallic minerals			942,184		7,636,580		
Asphalt	852	2,000		49,735		21.7	
Brick (building)		260		2,210		26.3	
Brick (hollow tile)		560		6,566		24.5	
Sand	13,311			13,800		25.5	
Coal	841,586			6,311,895		21.4	2.3
Ashes	35,765			12,820		29.2	
Lubricating oil		304		10,002		22.0	
Gasoline		5,260		438,334		22.0	
Other petroleum products	3,880			61,770		21.8	
All other		38,406		729,448		21.6	
Chemicals: All other		4,432	4,432	94,550	94,550	22.0	
Total receipts, intraport	895,544	59,135	954,679		8,013,963		
INTRAPORT, SHIPMENTS.							
Vegetable food products: Unclassified		334	334	41,044	41,044	12.8	
Nonmetallic minerals			129,265		1,009,324		
Coke	97,748			710,600		35.4	
All other		31,517		298,724		35.0	
Machinery and vehicles: Automobiles		36	36	99,000	99,000	26.5	
Chemicals			1,706		98,210		
Benzol		150		10,900		24.5	5.2
Sulphate of ammonia		1,371		69,900		38.5	5.2
Soap		120		13,800		33.6	4.2
Soap powder		5		310		33.6	4.2
Soap cleanser		60		3,300		33.6	4.2
Total shipments, intraport	97,748	33,593	131,341		1,247,578		
Total receipts and shipments, intraport	993,292	92,728	1,086,020		9,261,541		
LOCAL.							
Nonmetallic minerals: Coke	1,829		1,829	16,598	16,598	1.3	

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HACKENSACK RIVER, N. J.—continued.

SUMMARY.

Classes of commodities.	Foreign, imports.		Domestic.				Total.	
			Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products					947	$106,545	947	$106,545
Vegetable food products					632	73,928	632	73,928
Other vegetable products					1,959	97,804	1,959	97,804
Wood and paper	467	$9,141	3,851	$100,000	4,859	45,600	9,177	154,741
Nonmetallic minerals			294,199	1,668,965	1,149,937	8,832,595	1,444,136	10,501,560
Machinery and vehicles					36	99,000	36	99,000
Chemicals					6,138	192,760	6,138	192,760
Total	467	9,141	298,050	1,768,965	1,164,508	9,448,232	1,463,025	11,226,338

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Steamers	1		1	1	3,450	5,686		26
Towboats	26		600	600	8	67	7	10
Sailing vessels	3		3	3				
Canal boats, lighters, barges, etc.	678		1,306	1,306	200	2,500	3	19
Miscellaneous craft	6		6	6	180	700	4	15

Passengers carried, none.

Vessels built and launched.

Class.	Number.	Tonnage.	Value.	Class.	Number.	Tonnage.	Value.
Steel cargo steamers	2	18,760	$2,372,000	Car floats	3	3,870	$153,000
Steel bulk oil steamers	2	71,210	13,031,000	Oil barges	3	3,150	149,000
Coal barges	6	4,080	127,000				

Twenty-four American steamers visited repair yards on this waterway.

ARTHUR KILL, N. Y. AND N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1895	9,865,064	$77,030,302	(1)	1909	15,629,768	$249,114,846	(1)
1896	9,253,103	67,274,131	(1)	1910	15,930,332	230,449,455	(1)
1897	10,500,832	88,386,977	(1)	1911	17,800,977	263,352,020	(1)
1898	10,184,261	(1)	(1)	1912	30,525,094	515,437,656	(1)
1899	11,311,991	(1)	(1)	1914	32,140,264	477,993,429	(1)
1900	11,047,833	(1)	(1)	1915	28,288,936	489,328,720	(1)
1901	11,651,400	(1)	(1)	1916	31,993,180	914,219,538	(1)
1902	14,517,079	205,707,009	(1)	1917	29,678,191	1,078,466,420	(1)
1903	11,512,920	267,046,086	(1)	1918	30,591,273	1,004,094,167	(1)
1905	11,721,361	265,193,813	(1)	1919	31,254,459	501,473,149	1,517,800
1906	16,574,840	355,579,817	(1)	1920 [2]	15,674,995	366,329,701	1,419,408
1907	14,948,077	245,032,666	(1)	1921 [2]	11,638,526	267,580,767	1,475,711
1908	15,995,231	239,395,113	(1)				

[1] No statistics available.

[2] Exclusive of the following traffic:

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ARTHUR KILL, N. Y. AND N. J.—continued.

Year.	Car ferry.		Cargoes in transit.	
	Tons.	Value.	Tons.	Value.
1920	3,082	$924,600	6,476,392	$114,663,488
1921	199	59,700	5,821,558	88,671,344

The decrease in tonnage for the year 1920 is due mainly to the difference in the amount of coal reported. It is believed that the amount of coal reported for 1919 was erroneous.

The decrease of tonnage for the year 1921 is due to the general business depression which had an adverse effect on the industries located along this waterway.

Freight traffic, 1921.

[Navigation season continuous.]

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Lumber and timber	1,479	1,479	$47,719	$47,719
Nonmetallic minerals		889,051		9,962,290
Asphalt	41,730		875,570	
Petroleum products	721,250		5,500,000	
All other	126,071		4,086,720	
Ores, metals and manufactures		70,523		6,736,654
Copper ore	66,010		6,601,000	
All other	4,513		135,654	
Chemicals		13,545		1,093,340
Fertilizer (chemical)	4,155		116,780	
All other	9,390		976,560	
Total imports		974,598		17,840,003
EXPORTS.				
Nonmetallic minerals		21,797		234,441
Clay	3,496		34,960	
Coal	18,301		199,481	
Chemicals		5,927		161,425
Drugs and chemicals	36		1,368	
Fertilizer (chemical)	5,891		160,057	
Total exports		27,724		395,866
Total imports and exports		939,322		18,235,869

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Wood and paper			52,398		$848,464		
Lumber and timber		1,696		$37,312		656.5	
Ties		50,697		811,152		670.4	
Nonmetallic minerals			148,408		2,339,933		
Building stone		2,600		31,200		446.0	
Gravel	12,131			7,042		65.5	1.3
Sand	65,690			36,387		55.2	

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ARTHUR KILL, N. Y. AND N. J.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE—contd.							
Nonmetallic minerals—Contd.						*Miles.*	*Cents.*
Crushed stone	21,800			$30,184		74.0	
Lubricating oil		33,750		1,800,000		2,261.0	
All other		12,432		435,120		1,666.0	
Chemicals			195,562		$17,049,528		
Fertilizer (chemical)	44,355			1,321,000		1,061.8	
All other		151,207		15,725,528		1,666.0	
Total receipts, coastwise	143,976	252,382	396,358		20,237,925		
SHIPMENTS, COASTWISE.							
Wood and paper: All other		300	300	13,200	13,200	201.0	
Nonmetallic minerals			2,222,215		28,135,890		
Asphalt		365		19,142		50.1	
Brick (hollow tile)		1,065		13,845		156.5	1.8
Clay	723			7,230		236.0	
Coal	1,997,178			15,977,424		156.2	.6
Ashes	31,192						
Lubricating oil		2,626		99,632		916.0	
Gasoline		110,472		9,206,018		236.0	
Other petroleum products		78,089		2,811,210		192.0	
All other		505		1,389		74.0	
Ores, metals and manufactures			4,264		1,234,349		
Copper (sheet, bar)		4,000		1,200,000		201.0	
Steel (ingot, sheet, bar)		264		24,349		81.0	
Chemicals			30,507		967,126		
Drugs and chemicals		12,009		456,342		180.0	
Fertilizer (chemical)		18,498		510,784		256.0	
Total shipments, coastwise	2,029,093	228,193	2,257,286		30,340,565		
Total receipts and shipments, coastwise	2,173,069	480,575	2,653,644		50,578,490		
RECEIPTS, INTERNAL.							
Wood and paper: Lumber and timber (sawed)	1,675		1,675	41,811	41,811	186.0	
Nonmetallic minerals			150,071		213,730		
Crushed stone	146,217			201,779		40.0	
Clay	5			379		145.0	
Moulding sand	3,849			11,572		145.0	
Chemicals: Creosote oil	694		694	72,176	72,176	71.0	
Total receipts, internal	152,440		152,440		327,717		
SHIPMENTS, INTERNAL.							
Nonmetallic minerals			106,588		2,882,177		
Asphalt		8,447		98,547		71.0	
Brick (hollow tile)		295		4,201		44.0	
Cement		1,671		25,065		182.0	
Coal	44,398			332,947		84.0	1.7
Petroleum products	51,782			2,421,426		105.6	
Ores, metals and manufactures			293		59,389		
Copper (ingot)		225		58,500		236.0	
Iron oxide		68		889		90.0	
Chemicals			726		24,913		
Drugs and chemicals		476		18,088		200.0	
Fertilizer (chemical)		250		6,825		330.0	
Total shipments, internal	96,175	11,432	107,607		2,996,479		
Total receipts and shipments, internal	248,615	11,432	260,047		3,324,196		

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ARTHUR KILL, N. Y. AND N. J.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT.						*Miles.*	*Cents.*
Animals and animal products			10,944		$338,312		
Leather		48		$14,400		17.8	13.5
Leather goods		11		13,280		18.0	
Manure	9,100			13,650		16.6	
All other		1,785		296,982		21.6	
Vegetable food products			2,163		415,335		
Sugar		730		73,000		17.8	13.5
All other		1,433		342,335		17.9	
Other vegetable products			3,648		1,296,625		
Rubber goods		1		2,223		18.0	
Turpentine		335		75,250		18.0	
Tobacco		453		566,250		17.8	
All other		2,859		652,902		17.3	
Textiles			5,804		1,116,328		
Dry goods		53		49,209		17.9	13.5
Cotton goods		306		234,117		17.8	13.5
Cotton (raw)		32		9,600		17.8	13.5
Rope		10		2,766		17.9	
All other		5,403		820,636		15.8	
Wood and paper			15,428		585,235		
Lumber and timber		11,436		364,040		13.3	
Shingles		3		211		7.5	
Piles or logs		320		6,500		9.8	
Ties		1,861		29,770		18.0	
Wood pulp		572		40,040		17.8	
All other		1,236		144,674		19.7	
Nonmetallic minerals			710,253		8,372,025		
Asphalt		6,132		65,868		8.8	
Brick (building)		804		6,834		15.7	
Building stone		2,500		7,500		18.0	
Cement		27		405		16.1	13.5
Lime		6		200		14.4	
Gravel	321			576		32.9	
Sand	6,885			6,242		17.9	13.5
Paving blocks (asphalt)		40,625		293,254		36.0	
Paving blocks (stone)		298		1,050		18.0	13.5
Salt		10		120		16.9	
Glassware		2		4,630		18.0	
Clay		4,882		48,358		14.9	20.0
Coal	197,383			1,494,163		21.0	
Coke	1,520			11,400		6.0	
Ashes	211,623			312,862		17.0	
Lubricating oil		6,919		315,283		15.9	
Gasoline		11,687		974,225		16.2	
Kerosene		362		21,187		14.0	
Other petroleum products		183,468		4,238,055		13.4	
Chalk and whiting		16,156		177,716		16.5	
Sulphur		16,900		338,410		17.0	
All other		1,763		53,687		22.1	
Ores, metals, and manufactures			102,639		17,105,521		
Copper ore		29,304		2,930,400		16.1	
Copper (sheet, bar, wire)		3,541		1,062,300		19.1	
Copper (ingot)		13,660		3,551,649		19.7	
Copper manufactures		1		231		18.0	
Iron ore		32		128		16.5	
Iron (pig and scrap)		684		25,642		12.9	
Cast-iron manufactures		147		36,331		11.9	
Steel (sheet, ingot, bar)		222		9,906		12.9	
Steel manufactures		3		1,216		17.8	
Structural steel		32		2,160		12.9	
Lead (sheet, bar, ingot)		460		65,999		18.0	
Lead manufactures		1		129		18.0	
Other metal manufactures		52		76,576		17.8	
Pipe (wrought iron)		117		45,002		16.8	
Pipe (cast iron)		30		4,080		18.0	
Pipe (steel)		25		2,200		17.8	
Hardware		170		191,266		17.3	
All other		54,158		9,100,306		16.8	

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ARTHUR KILL, N. Y. AND N. J.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT—contd.						*Miles.*	*Cents.*
Machinery and vehicles			338		$209,825		
Agricultural implements		5		$1,425		17.8	
Engines and machinery		333		208,400		17.8	
Chemicals			146,191		13,920,929		
Drugs and chemicals		3,349		480,107		17.3	12.8
Fertilizer (chemical)		18,030		555,251		16.7	9.6
Alcohol and products		24		594		18.0	
All other		124,788		12,884,977		18.0	
Unclassified			9,955		2,345,240		
General merchandise		9,954		2,342,696		17.9	
All other		1		2,544		18.0	
Total receipts, intraport	426,832	580,531	1,007,363		45,705,375		
SHIPMENTS, INTRAPORT.							
Animals and animal products:							
Miscellaneous oils		1,049	1,049	100,084	100,084	15.2	
Other vegetable products			594		326,605		
Tobacco		236		295,000		17.9	13.5
All other		358		31,605		17.0	
Textiles			10,239		1,852,487		
Felt		8,065		507,900		15.4	9.7
Linoleum		1,952		1,268,800		17.8	
Empty bags		209		59,787		18.0	
All other		13		16,000		17.8	
Wood and paper			1,010		68,520		
Empty barrels		1,009		68,020		17.8	
Paper		1		500		17.8	
Nonmetallic minerals			6,270,086		72,833,298		
Asphalt		103,924		1,745,208		23.7	
Brick (building)		440		3,740		18.0	
Brick (hollow tile)		2,710		22,663		25.3	5.3
Brick (fire)		1,586		22,815		17.3	
Clay		38		456		16.2	
Clay manufactures		3,042		185,562		17.8	
Coal	5,836,499			44,240,666		21.0	2.1
Lubricating oil		41,274		3,808,840		15.0	13.5
Gasoline		111,068		9,117,078		14.0	
Other petroleum products		26,819		6,574,415		19.6	
Chalk and whiting		12,093		65,465		17.8	
All other		136,508		7,046,378		18.5	
Ores, metals, and manufactures			127,628		57,220,909		
Copper (sheet, bar, wire)		3,496		908,000		26.0	
Copper (ingot)		72,858		18,943,080		19.9	
Iron oxide		2,903		46,990		25.9	
Steel (ingot, sheet, bar)		5,000		350,849		18.5	
Steel manufactures		235		47,000		16.1	
Lead manufactures		15,900		2,695,000		17.8	
Other metals (sheet, bar, etc.)		4,072		814,400		17.9	13.5
Pipe (steel)		44		1,800		27.0	
All other		23,120		33,413,790		16.2	
Machinery and vehicles: Engines and machinery		150	150	25,500	25,500	18.8	
Chemicals			122,870		6,263,708		
Drugs and chemicals		62,328		2,670,654		20.0	
Fertilizer (chemical)		20,949		690,459		17.5	
All other		39,593		2,902,595		18.0	8.5
Unclassified: General and miscellaneous		22,962	22,962	6,983,925	6,983,925	18.7	
Total shipments, intraport	5,836,499	726,089	6,562,588		145,675,094		
Total receipts and shipments, intraport	6,263,331	1,306,620	7,569,951		191,380,399		

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ARTHUR KILL, N. Y. AND N. J.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
LOCAL.						*Miles.*	*Cents.*
Vegetable food products			28		$934		
Hay		25		$850		0.6	
Straw		3		84		.6	
Other vegetable products: Turpentine		1	1	452	452	.6	
Textiles: Burlap		2,600	2,600	346,553	346,553	4.1	
Wood and paper			910		2,552		
Ties		70		1,652		.6	
Cordwood		840		900		.6	
Nonmetallic minerals			117,679		1,123,211		
Brick (building)		60		510		5.6	
Brick (fire)		193		1,773		6.3	
Cement		100		1,680		.6	
Sand	40			100		.6	
Glassware		5		500		.6	
Coal	102,193			668,751		3.1	52.5
Coke	259			2,080		1.5	
Gasoline		739		61,337		9.5	
Other petroleum products	4,169			39,245		5.4	
Fuel oil		9,921		347,235		4.1	
Ores, metals, and manufactures			4,727		1,192,580		
Copper (sheet, bar, wire)		25		15,000		.6	
Copper (ingot)		4,486		1,166,360		10.6	
Iron (pig and scrap)		100		500		.6	
Iron (sheet, bar, etc.)		50		4,000		.6	
Steel (ingot, sheet, bar)		25		2,000		.6	
Structural steel		25		2,000		.6	
Wire (iron or steel)		5		600		.6	
Lead (sheet, bar, ingot)		1		120		.6	
Other metals (sheet, bar, etc.)		10		2,000		.6	
Machinery and vehicles: Engines and machinery		235	235	27,100	27,100	1.7	
Chemicals			26,232		1,391,871		
Drugs and chemicals		4,513		148,580		4.0	
Fertilizer (chemical)		8,827		254,504		2.0	
All other		12,892		988,787		4.1	
Unclassified			150		6,500		
Ice		50		1,500		.6	
General merchandise		100		5,000		.6	
Total local	106,661	45,901	152,562		4,091,753		

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ARTHUR KILL, N. Y. AND N. J.—continued.

CARGOES IN TRANSIT.

Classes and commodities.	Amount in short tons.	Value.
Animals and animal products:		
Horses	46	$36,500
Leather	365	109,500
Leather goods	188	236,880
All other	17	7,582
Vegetable food products:		
Flour	240	19,544
Grain	4	174
Sugar	450	45,000
All other	1,209	296,205
Other vegetable products:		
Rubber goods	856	256,800
Tobacco	420	525,000
All other	1,201	514,028
Textiles:		
Dry goods	110	77,000
Cotton goods	1,950	1,526,850
Cotton (raw)	220	66,000
Rope	1	135
All other	45	17,084
Wood and paper:		
Lumber and timber (sawed)	5,409	115,390
Piles or logs	2,261	89,064
All other	9,006	396,132
Nonmetallic minerals:		
Asphalt	9,254	97,189
Brick (building)	44,192	368,389
Brick (hollow tile)	73,896	983,283
Brick (fire)	6,225	12,336
Cement	14,062	210,924
Lime	16	548
Sand	284,270	366,210
Crushed stone	34,121	47,396
Paving blocks (asphalt)	6,275	54,225
Clay	31,426	234,907
Clay manufactures	250	15,250
Nonmetallic minerals—Continued.		
Coal	4,986,665	$39,495,271
Coke	17,946	152,110
Moulding sand	5,219	25,000
Lubricating oil	73,167	6,008,906
Gasoline	21,262	1,171,825
Kerosene	11,366	621,996
Other petroleum products	33,987	2,926,415
Chalk and whiting	15	165
All other	15,996	312,262
Ores, metals and manufactures:		
Slag	869	1,304
Copper ore	34,591	3,459,100
Copper (sheet, bar, etc.)	1	350
Copper (ingot)	55,562	14,446,120
Steel (ingot, sheet, etc.)	606	42,656
Structural steel	54	2,630
Other metals (sheet, bar, etc.)	367	58,000
Pipe (cast iron)	1,475	200,600
Hardware	712	158,286
All other	6,045	795,425
Machinery and vehicles:		
Engines and machinery	321	100,865
Chemicals:		
Drugs and chemicals	893	33,972
Fertilizer (chemical)	3,379	39,588
All other	1,305	132,924
Unclassified:		
General merchandise	13,362	4,069,931
All other	7,956	2,689,123
Total	5,821,558	83,671,344

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ARTHUR KILL, N. Y. AND N. J.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products							11,993	$438,396	11,993	$438,396
Vegetable food products							2,191	416,269	2,191	416,269
Other vegetable products							4,243	1,623,682	4,243	1,623,682
Textiles							18,643	3,315,368	18,643	3,315,368
Wood and paper	1,479	$47,719			52,693	$861,664	19,023	698,118	73,195	1,607,501
Nonmetallic minerals	889,051	9,962,290	21,797	$234,441	2,370,618	30,475,823	7,360,677	85,424,429	10,642,143	126,096,983
Ores, metals, and manufactures	70,523	6,736,654			4,264	1,224,349	235,287	75,578,399	310,074	83,539,402
Machinery and vehicles							723	262,425	723	262,425
Chemicals	13,545	1,093,340	5,927	161,425	226,069	18,016,069	296,713	21,673,597	542,254	40,945,016
Unclassified							33,067	9,335,665	33,067	9,335,665
Total	974,598	17,840,003	27,724	395,866	2,653,644	50,578,490	7,982,560	198,766,348	11,638,526	267,580,707

	Short tons.	Value.
Car ferry	199	$59,700
Cargoes in transit	5,821,558	83,671,344

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ARTHUR KILL, N. Y. AND N. J.—continued.

Vessels built and launched.

Class.	Number.	Tonnage.	Value.	Class.	Number.	Tonnage.	Value.
Oil tankers	4	32,800	.....	Loading floats	1	100	$1,000
Fire boats	1	.....	.....	Coal barges	1	1,000	15,000
Covered barge	1	1,000	$20,000				

The following vessels visited repair yards on this waterway:

Class.	Number of vessels.		Class.	Number of vessels.	
	American.	Foreign.		American.	Foreign.
Steamers	87	.....	Canal boats, lighters, barges, etc.	557	.....
Towboats	153	10	Miscellaneous craft	70	.....
Sailing vessels	415	25			

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Steamers	77	28	2,067	2,067	53	10,750	3	25
Towboats	150	.....	10,984	10,984	22	177	4	14
Sailing vessels	34	53	180	180	60	1,000	3	18
Canal boats, lighters, barges, etc.	3,732	.....	30,911	30,911	50	1,800	3	19
Ferry boats	3	.....	27,613	27,613	91	541	8	10
Car floats	2	.....	2	2	1,200	3,000	6	7
Miscellaneous craft	42	.....	179	179	10	140	2	7
Unregistered: Canal boats, lighters, barges, etc.	76	.....	1,974	1,974	50	1,350	3	13

Passengers carried, 1,475,711.

KILL VAN KULL, N. Y. AND N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.
1919	46,439,229	$1,230,631,425	1,156,260
1920	32,740,957	1,355,465,183	1,126,982
1921 [1]	29,995,010	1,082,975,241	1,121,213

[1] Includes car ferry traffic, 814,999 tons, valued at $244,499,700, and cargoes in transit, 17,695,694 tons, valued at $367,708,128.

The decrease in tonnage for the year 1920 is due mainly to the difference in the amount of coal reported. It is believed that the amount of coal reported for 1919 was erroneous.

The decrease of tonnage for the year 1921 as compared with 1920 is due to the general business depression, which had an adverse effect on the industries located along this waterway.

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KILL VAN KULL, N. Y. AND N. J.—continued.

Freight traffic, 1921.

[Navigation season, continuous.]

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Lumber and timber	33	33	$726	$726
Nonmetallic minerals		1,048,268		26,081,158
Gasoline	200,757		16,729,758	
Other petroleum products	596,918		6,605,118	
Chalk and whiting	6,257		30,062	
All other	244,336		2,716,220	
Total imports		1,048,301		26,081,884
EXPORTS.				
Vegetable food products: All other	125	125	30,625	30,625
Wood and paper: All other	34	34	15,034	15,034
Nonmetallic minerals		660,409		41,527,517
Lubricating oil	66,937		5,354,956	
Gasoline	282,429		23,535,784	
Kerosene	152,372		8,577,957	
Other petroleum products	90,435		1,603,727	
Coal	1,409		11,272	
All other	66,827		2,353,821	
Ores, metals, and manufactures		3,025		563,604
Pipe (steel)	67		5,896	
All other	2,958		557,708	
Machinery and vehicles		112		40,755
Engines and machinery	89		26,700	
All other	23		14,055	
Chemicals: Drugs and chemicals	65	65	2,470	2,470
Total exports		663,770		42,180,005
Total imports and exports		1,712,071		68,261,889

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Nonmetallic minerals			4,500,073		$86,593,806		
Building stone		920		$11,040		276.0	
Gravel	13,690			21,517		42.0	
Sand	71,973			71,756		42.0	
Crushed stone	23,265			32,212		74.0	
Paving block (stone)	720			8,040		440.0	
Gasoline	5,496			458,007		2,255.0	
Kerosene	104,267			5,869,859		302.0	
Other petroleum products	4,266,159			79,634,970		2,286.0	
All other	13,583			486,405		2,179.0	
Total receipts	4,499,153	920	4,500,073		86,593,806		
SHIPMENTS, COASTWISE.							
Nonmetallic minerals			267,228		9,112,399		
Coal	112,742			969,553		235.0	0.4
Lubricating oil		6,254		95,474		235.0	
Gasoline	58,941			4,494,224		170.0	
Kerosene	50,692			2,853,793		170.0	
Other petroleum products	43,599			699,355		249.0	
Machinery and vehicles: Engines and machinery		45	45	6,000	6,000	39.0	

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KILL VAN KULL, N. Y. AND N. J.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, COASTWISE—con.						*Miles.*	*Cents.*
Unclassified: All other		25	25	$5,000	$5,000	52.0	
Total shipments	260,974	6,324	267,298		9,123,399		
Total receipts and shipments, coastwise	4,760,127	7,244	4,767,371		95,717,205		
INTERNAL RECEIPTS.							
Nonmetallic minerals			201,547		8,172,056		
Crushed stone	72,524			100,083		47.0	
Sand (moulding)	263			778		159.0	0.7
Brick (building)		10,519		78,892		87.0	
Oil (lubricating)		68,248		5,585,398		98.0	
Gasoline		17,658		1,455,614		98.0	
Kerosene		10,612		594,272		98.0	
Other petroleum products	21,723			357,019		98.0	
Ores, metals and manufactures: Structural steel		54	54	2,620	2,620	81.0	
Total receipts, internal	94,510	107,091	201,601		8,174,676		
INTERNAL SHIPMENTS.							
Wood and paper: barrels		198	198	8,712	8,712	81.0	
Nonmetallic minerals			226,093		13,214,108		
Coal	3,317			23,717		190.0	
Oil (lubricating)		6,364		391,780		125.0	
Gasoline		32,286		2,679,738		151.0	
Kerosene		15,306		857,136		151.0	
Other petroleum products	168,800			9,261,385		104.0	
Plaster		20		352		37.0	
Ores, metals, and manufactures Water-tube boilers		2,774	2,774	457,710	457,710	80.0	
Total shipments, internal	172,117	56,948	229,065		13,680,530		
Total receipts and shipments, internal	266,627	164,039	430,666		21,855,206		
RECEIPTS, INTRAPORT.							
Animals and animal products: Tallow		842	842	168,400	168,400	6.0	
Vegetable food products			40,583		4,811,353		
Flour		301		24,238		7.7	
Hay		60		2,300		10.0	
Sugar		2,589		258,900		23.3	
All other		37,633		4,525,915		9.0	
Other vegetable products			92		10,980		
Turpentine		4		545		8.0	
All other		88		10,435		10.5	37.2
Textiles			314		253,062		
Cotton goods		115		22,562		8.0	
All other		199		230,500		8.7	
Wood and paper			45,256		2,340,341		
Paving blocks (wood)		48		1,542		10.9	
Lumber and timber	25,917			621,858		13.1	
Shingles		568		36,876		10.0	
Lath		199		19,880		3.0	
Piles or logs		210		8,400		8.0	
Ties		19		200		10.0	
All other		18,295		1,651,585		8.7	
Non metallic minerals			1,032,228		22,483,333		
Brick (building)	1,130			8,475		21.0	
Cement		675		8,442		8.0	
Crushed stone	358			496		8.0	
Flagging		13		146		10.0	
Paving blocks (asphalt)	256			497		8.0	
Clay	3,032			84,167		10.0	
Coal	89,172			713,376		9.3	
Ashes	567,044			85,123		8.0	
Lubricating oil	56,393			3,499,837		7.1	
Gasoline	117,509			9,477,789		6.3	
Other petroleum products	87,462			2,225,922		7.3	
Chalk and whiting		6,565		27,938		10.0	
Sulphur		22,522		450,440		7.0	
All other	80,097			5,900,695		10.5	

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KILL VAN KULL, N. Y. AND N. J.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT—con.						*Miles.*	*Cents.*
Ores, metals and manufactures			31,494		$5,562,222		
Copper ore		113		$22,560		10.0	
Copper (sheet, bar, etc.)		16		5,760		9.0	33.3
Steel (ingot, sheet, bar)		242		10,680		8.0	
Steel manufactures		96		22,812		8.0	
Iron (sheet, bar)		22		800		10.0	
Lead (sheet, bar, wire)		2,033		246,842		8.0	
Lead manufactures		24		4,080		8.0	
Pipe (cast iron)		675		21,250		10.0	
Pipe (steel)		51		4,488		5.0	
All other		28,222		5,222,950		8.6	
Machinery and vehicles			483		280,055		
Engines and machinery		460		266,000		8.0	
All other		23		14,055		5.0	
Chemicals: Unclassified		24,427	24,427	2,575,108	2,575,108	7.8	
Unclassified: General and miscellaneous		112,720	112,720	33,804,225	33,804,225	9.0	
Total receipts, intraport	1,028,370	260,069	1,288,439		72,289,079		
SHIPMENTS, INTRAPORT.							
Animals and animal products			60,348		26,907,915		
Glue		87		31,509		6.8	
Dried meats		60,261		26,876,406		9.0	
Vegetable food products			42,044		9,643,410		
Flour		1,799		146,872		9.3	
All other		40,245		9,496,538		7.7	
Other vegetable products: Turpentine		3	3	508	508	8.0	
Wood and paper			14,216		941,199		
Lumber and timber	1,348			37,440		8.2	25.0
Piles or logs	320			6,500		4.0	
All other		12,548		897,259		9.2	
Nonmetallic minerals			2,615,006		78,152,548		
Asphalt	32,849			169,393		12.2	
Cement		20		300		8.7	
Lime		6		200		8.7	
Coal	330,088			1,923,800		15.7	
Lubricating oil		191,565		10,409,281		7.8	
Gasoline		265,752		22,146,009		7.8	
Kerosene		235,944		13,181,408		7.8	
Other petroleum products		1,297,292		24,216,120		7.8	
Chalk and whiting		10,785		284,000		9.0	
Sulphur		22,098		496,080		7.8	
All other		228,607		5,325,957		10.1	8.9
Ores, metals, and manufactures			72,657		5,339,687		
Slag		10,054		15,081		7.7	
Copper manufactures		9,643		3,105,913		8.1	
Iron (pig and scrap)		7,500		302,000		8.0	
Iron (mine tailings)		32,671		49,007		7.7	
Steel (ingots, sheet, bar)		5		280		5.0	
Steel manufactures		36		5,931		5.0	
Structural steel		1,349		187,798		7.7	
Lead (sheet, bar, etc.)		72		10,224		5.0	
Pipe (wrought iron)		16		2,128		10.0	
Pipe (cast iron)		40		1,101		13.0	
Pipe (steel)		140		12,320		6.7	
All other		11,131		1,647,904		8.5	
Machinery and vehicles: Engines and machinery		657	657	301,000	301,000	7.0	
Chemicals: Unclassified		115,099	115,099	13,191,686	13,191,686	6.2	
Unclassified			227,753		60,040,020		
General and miscellaneous		227,743		60,038,020		9.0	
Lifeboats and launches		10		2,000		5.0	
Total shipments, intraport	364,605	2,783,178	3,147,783		194,517,973		
Total receipts and shipments, intraport	1,392,975	3,043,247	4,436,222		266,807,052		
LOCAL.							
Vegetable food products: Groceries		34	34	8,330	8,330	3.4	
Wood and paper: Empty barrels		82	82	3,522	3,522	2.0	

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KILL VAN KULL, N. Y. AND N. J.—continued.

DOMESTIC.—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
LOCAL—continued.						*Miles.*	*Cents.*
Nonmetallic minerals			44,197		$1,883,663		
Asphalt		152		$2,443		3.4	
Coal	5,588			38,566		1.5	
Gasoline		3,672		304,776		1.9	
Kerosene		17,041		954,296		1.9	
Other petroleum products	17,481			568,702		1.9	
All other		263		14,880		1.5	
Ores, metals, and manufactures:							
Boxes, tin		76	76	26,698	26,698	2.0	
Machinery and vehicles: Engines and machinery		48	48	38,400	38,400	2.4	
Chemicals: Separated acid		60,712	60,712	6,314,048	6,314,048	0.5	
Unclassified: General merchandise		32,838	32,838	9,851,400	9,851,400	1.0	
Total local	23,069	114,918	137,987		18,126,061		

CARGOES IN TRANSIT.

Classes and commodities.	Amount in short tons.	Value.
Animals and animal products:		
Horses	46	$36,500
Oysters and clams	50	2,000
Leather	413	123,900
Leather goods	199	250,700
Manure	9,000	13,650
All other	6,555	813,639
Vegetable food products:		
Flour	9,198	974,624
Grain	4	174
Sugar	1,180	118,000
All other	11,595	2,272,517
Other vegetable products:		
Rubber goods	857	259,023
Turpentine	335	74,125
Tobacco	1,109	1,386,250
All other	8,166	1,407,124
Textiles:		
Dry goods	164	142,209
Cotton goods	2,295	1,898,374
Cotton (raw)	15,227	9,060,600
Rope	11	2,901
All other	28,899	8,304,957
Wood and paper:		
Lumber and timber	43,963	1,168,931
Shingles	3	200
Laths	4,857	3,310,448
Piles or logs	7,119	134,064
Ties	272	10,892
Wood pulp	852	40,040
All other	7,043	437,841
Nonmetallic minerals:		
Asphalt	112,437	1,637,746
Brick (building)	200,088	1,700,045
Brick (hollow tile)	77,622	1,019,004
Building stone	8,803	83,136
Cement	16,250	244,794
Gravel	40,936	41,721
Sand	766,743	724,378
Crushed stone	448,556	646,634
Paving blocks (asphalt)	48,073	355,543
Paving blocks (stone)	18,990	113,786
Clay	35,707	268,166
Coal	12,826,273	102,324,064
Coke	77,174	634,498
Ashes	412,741	52,297
Moulding sand	9,068	36,572
Lubricating oil	45,568	3,458,619
Gasoline	192,344	15,729,160
Nonmetallic minerals—Continued.		
Kerosene	6,769	$344,670
Other petroleum products	1,167,655	32,414,116
All other	280,866	6,857,457
Ores, metals and manufactures:		
Slag	869	1,304
Copper ore	67,072	954,230
Copper (sheet, bar)	11,038	3,170,650
Copper (ingot)	142,666	37,074,529
Copper manufactures	1	231
Iron ore	872	13,628
Iron (pig or scrap)	1,446	34,770
Iron (oxide)	2,972	47,879
Cast-iron manufactures	307	45,463
Steel (ingot, sheet, bar)	12,113	543,239
Steel manufactures	506	77,576
Structural steel	2,721	129,660
Wire (iron or steel)	42	5,040
Lead (sheet, bar, etc.)	1,527	152,880
Lead manufactures	15,902	2,695,353
Other metals (sheet, bar)	4,441	888,130
Other metal manufactures	164	82,709
Pipe (cast-iron)	1,505	204,680
Pipe, steel	2,394	186,700
Hardware	1,967	46,552
All other	82,630	42,867,481
Machinery and vehicles:		
Agricultural implements	5	1,425
Engines and machinery	1,181	280,065
All other	810	563,400
Chemicals:		
Drugs and chemicals	54,307	2,842,166
Fertilizer (chemical)	56,447	1,649,110
Alcohol and products	424	10,594
All other	58,732	12,971,510
Unclassified:		
Ice	21,671	65,013
General merchandise	187,279	55,952,750
All other	9,488	3,219,122
Total	17,695,694	367,708,128

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KILL VAN KULL, N. Y. AND N. J.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products							61,190	$27,076,315	61,190	$27,076,315
Vegetable food products			125	$30,625			82,661	14,463,093	82,786	14,493,718
Other vegetable products							95	11,488	95	11,488
Textiles							314	253,062	314	253,062
Wood and paper	33	$726	34	15,034			59,752	3,293,774	59,819	3,309,534
Nonmetallic minerals	1,048,268	26,081,158	660,409	41,527,517	4,767,301	$95,706,205	4,119,071	123,905,708	10,595,049	287,220,588
Ores, metals and manufactures			3,025	563,604			107,055	11,388,937	110,080	11,952,541
Machinery and vehicles			112	40,755	45	6,000	1,188	619,455	1,345	666,210
Chemicals			65	2,470			200,238	22,080,842	200,303	22,083,312
Unclassified					25	5,000	373,311	108,695,645	373,336	103,700,645
Total	1,048,301	26,081,884	663,770	42,180,005	4,767,371	95,717,205	5,004,875	306,788,319	11,484,317	470,767,413

	Short tons.	Value.
Car ferry	814,999	$244,499,700
Cargoes in transit	17,695,694	367,708,128

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KILL VAN KULL, N. Y. AND N. J.—continued.

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Steamers	358	15	3,978	3,978	60	11,300	4	28
Towboats	.....	.....	.....	.....	22	177	4	14
Sailing vessels	49	53	161	161	40	1,000	3	14
Canal boats, lighters, barges, etc.	6,987	7	40,583	40,583	50	3,500	3	24
Ferry boats	2	.....	39,121	39,121	414	483	10	12
Car floats	122	.....	2,255	2,255	1,200	3,000	6	7
Miscellaneous craft	77	.....	191	191	10	800	2	15
Unregistered: Canal boats, lighters, barges, etc	344	.....	3,091	3,091	90	1,000	3	13

Passengers carried, 1,121,213.

The following vessels visited repair yards on this waterway:

Class.	Number of vessels.		Class.	Number of vessels.	
	American.	Foreign.		American.	Foreign.
Steamers	11	5	Oil tankers	2	.....
Towboats	16	.....	Mine sweepers	1	.....
Sailing vessels	2	.....	Ferry boats	1	.....
Canal boats, lighters, barges, etc.	50	.....	Oil harbor barges	6	.....
Miscellaneous craft	100	.....			

ELIZABETH RIVER, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1893	28,554	(1)	1908	31,825	$190,298
1894	28,554	$150,356	1909	30,242	217,877
1895	21,650	(1)	1910	51,099	713,085
1896	36,066	(1)	1913	38,716	859,814
1897	28,865	(1)	1914	29,103	530,724
1900	40,000	(1)	1915	28,383	691,027
1901	29,495	(1)	1916	29,514	1,018,742
1902	40,250	278,477	1917	18,402	900,503
1903	37,136	211,410	1918	12,468	904,382
1904	36,336	193,894	1919	19,909	181,292
1905	28,887	247,717	1920	11,759	962,610
1906	43,255	352,784	1921	46,989	550,664
1907	20,053	87,322			

Passengers carried, none.

[1] No statistics available.

The increase in tonnage of 1921 as compared with previous years is due to the receipt of large quantities of sand and crushed stone.

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ELIZABETH RIVER, N. J.—continued.

Freight traffic, 1921.

[Navigation season, continuous.]

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS, COASTWISE.						*Miles.*
Wood and paper: Lumber and timber	1,664	.....	1,664	$42,845	$42,845	915.0
Nonmetallic minerals: Sand	20,925	.....	20,925	20,925	20,925	48.7
Total receipts, coastwise	22,589	.....	22,589	.....	63,770	.....
RECEIPTS, INTERNAL.						
Nonmetallic minerals	.....	.....	14,523	.....	25,738	.....
Brick (building)	.....	800	.....	6,800	.....	51
Crushed stone	13,723	.....	.....	18,938	.....	55
Total receipts, internal	13,723	800	14,523	.....	25,738	.....
RECEIPTS, INTRAPORT.						
Wood and paper	.....	.....	2,353	.....	61,099	.....
Lumber and timber	2,220	.....	.....	57,155	.....	17.4
Piles or logs	133	.....	.....	3,944	.....	10.2
Nonmetallic minerals: Brick (building)	370	.....	370	2,497	2,497	12.0
Total receipts, intraport	2,723	.....	2,723	.....	63,596	.....
SHIPMENTS, INTRAPORT.						
Textiles: Felt	.....	6,156	6,156	393,360	393,360	12.4
Wood and paper: Lumber and timber	998	.....	998	4,200	4,200	15.1
Total shipments, intraport	998	6,156	7,154	.....	397,560	.....
Total receipts and shipments, intraport	3,721	6,156	9,877	.....	461,156	.....

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Textiles	.....	.....	6,156	$393,360	6,156	$393,360
Wood and paper	1,664	$42,845	3,351	65,299	5,015	108,144
Nonmetallic minerals	20,925	20,925	14,893	28,235	35,818	49,160
Totals	22,589	63,770	24,400	486,894	46,989	550,664

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ELIZABETH RIVER, N. J.—continued.

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Sailing vessels	1	.....	2	2	.....	.....	.....	.....
Canal boats, lighters, barges, etc.	17	.....	127	127	195	400	5	7

Passengers carried, none.

WOODBRIDGE CREEK, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1882	116,154	(1)	1910	129,676	$675,000
1883	112,068	$834,000	1911	128,560	680,825
1887	126,000	(1)	1912	115,097	664,940
1898	176,000	(1)	1913	187,051	747,829
1902	134,377	1,130,426	1914	59,029	583,374
1903	155,751	728,217	1915	67,610	305,740
1904	165,313	1,143,658	1916	66,387	572,865
1905	160,194	1,018,198	1917	39,309	383,546
1906	167,392	1,128,237	1918	21,869	2,124,074
1907[2]	151,671	1,071,548	1919	95,274	2,265,259
1908	163,120	791,700	1920	27,121	1,272,120
1909	116,459	587,164	1921	28,559	1,152,502

No passengers carried.

[1] No statistics available.
[2] Tonnage reported since 1907 in short tons; previous reports in long tons.

The decrease in tonnage in 1920 as compared with the previous year is due mainly to the nonreceipts of ashes and building stone.

Freight traffic, 1921.

[Navigation season, continuous.]

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Ores, metals and manufactures: All other	180	180	$1,000	$1,000
EXPORTS.				
Nonmetallic minerals: Clay	129	129	745	745
Total imports and exports	.....	309	.....	1,745

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WOODBRIDGE CREEK, N. J.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
SHIPMENTS, COASTWISE.						*Miles.*
Nonmetallic minerals: Clay	1,039		1,039	$5,073	$5,073	100.7
RECEIPTS, INTRAPORT.						
Nonmetallic minerals			3,596		37,201	
Paving blocks (asphalt)	2,283			21,501		40.0
Petroleum products	1,313			15,700		13.5
Ores, metals and manufactures: Tin plate (scrap)		1,020	1,020	5,000	5,000	24.8
Total receipts, intraport	3,596	1,020	4,616		42,201	
SHIPMENTS, INTRAPORT.						
Wood and paper: Wooden oil barrels		6,427	6,427	650,000	650,000	13.5
Nonmetallic minerals			16,168		453,483	
Asphalt		9,254		97,189		29.5
Brick (hollow tile)		198		237,330		21.3
Brick (fire)		6,076		104,160		21.3
Clay	415			8,300		21.3
All other		225		6,504		29.5
Total shipments, intraport	415	22,180	22,595		1,103,483	
Total receipts and shipments, intraport	4,011	23,200	27,211		1,145,684	

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper							6,427	$650,000	6,427	$650,000
Nonmetallic minerals			129	$745	1,039	$5,073	19,764	490,684	20,932	496,502
Ores, metals and manufactures	180	$1,000					1,020	5,000	1,200	6,000
Total	180	1,000	129	745	1,039	5,073	27,211	1,145,684	28,559	1,152,502

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Sailing vessels	3		5	5	140	200		7
Canal boats, lighters, barges, etc.	22		81	81	100	500	3	9

Passengers carried, none.

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CHANNEL NORTH OF SHOOTERS ISLAND, BETWEEN NEW YORK AND NEW JERSEY.

Statistics for the calendar year 1921.

This is a connecting channel between Arthur Kill, Newark Bay, and Kill van Kull, and the commerce to be benefited is a part of the total Arthur Kill tonnage, which in 1921 amounted to 17,460,283 short tons, valued at $351,311,751, and which includes the commerce of Newark Bay and its tributaries and other tributaries of Arthur Kill. (See commercial statistics for Arthur Kill.) The limit of draft for loaded boats in this channel is 10 feet at mean low water.

RARITAN BAY, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890	3,845,366	(1)	1909	8,283,839	$107,829,053
1895	3,888,995	$33,330,186	1910	9,168,913	132,234,295
1896	4,629,514	(1)	1911	10,078,774	149,933,596
1897	4,852,075	(1)	1912	10,418,105	150,100,526
1898	5,552,474	(1)	1913	10,500,337	152,691,821
1899	6,507,402	(1)	1914	9,751,484	137,264,383
1900	6,537,977	(1)	1915	10,137,890	137,298,379
1901	4,722,046	49,310,429	1916	10,055,637	220,896,132
1902	5,453,122	56,712,469	1917	9,368,466	250,078,611
1903	4,484,152	101,842,455	1918	12,489,339	283,856,730
1905	5,296,986	125,915,972	1919	7,047,636	503,195,319
1906	6,432,245	114,358,610	1920 [2]	5,993,567	54,156,706
1907	7,424,414	139,228,344	1921 [2]	4,686,014	50,162,221
1908	8,729,748	136,550,115			

Passengers carried, 426,000 in 1917 and 315,000 in 1918.

[1] No statistics available. [2] Exclusive of the following traffic.

Cargoes in transit.

Year.	Tons.	Value.
1920	1,551,833	$144,918,818
1921	1,027,940	60,510,716

The decrease in tonnage for 1921 as compared with previous years is due to less coal being shipped from South Amboy and the decrease in the transit tonnage due to general business depression.

[Navigation season, continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Nonmetallic minerals		11,656		$85,562
Sand	1,098		$1,098	
Coal	10,558		84,464	
Total exports		11,656		85,562

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RARITAN BAY, N. J.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons.			Value.		Average haul.	Rate per ton-mile.
	By commodities.		By classes.	By commodities.	By classes.		
	Bulk.	Package.					
RECEIPTS, COASTWISE.							
Animals and animal products:						*Miles.*	*Cents.*
Oysters and clams	3,623		3,623	$72,000	$72,000	83.3	2.3
SHIPMENTS, COASTWISE.							
Nonmetallic minerals			1,092,848		6,884,891		
Sand	190			1,146		210.0	0.7
Coal	1,092,658			6,883,745		211.0	0.5
Total shipments, coastwise	1,092,848		1,092,848		6,884,891		
Total receipts and shipments, coastwise	1,096,471		1,096,471		6,956,891		
SHIPMENTS, INTERNAL.							
Nonmetallic minerals			28,239		229,091		
Sand	983			1,025		530.0	
Clay	1,541			13,388		440.0	
Coal	25,710			214,678		157.0	
Total shipments, internal	28,239		28,239		229,091		
RECEIPTS, INTRAPORT.							
Nonmetallic minerals: Other petroleum products		14	14	652	652	21.8	
Chemicals: Miscellaneous explosives		8,370	8,370	5,524,200	5,524,200	2.7	
Unclassified: General and miscellaneous		1,975	1,975	592,500	592,500	2.7	
Total receipts, intraport		10,359	10,359		6,117,352		
SHIPMENTS, INTRAPORT.							
Animals and animal products:							
Oysters and clams		7,438	7,438	159,000	159,000	28.7	30.1
Nonmetallic minerals			3,505,305		26,309,465		
Clay		620		6,200		28.0	
Coal	3,488,678			26,165,085		27.6	2.1
Coke	16,007			138,180		28.0	
Chemicals			6,546		4,304,860		
Miscellaneous explosives		6,436		4,247,660		16.9	
Dynamite		110		57,200		16.9	
Unclassified: General merchandise		20,000	20,000	6,000,000	6,000,000	24.5	
Total shipments, intraport	3,504,685	34,604	3,539,289		36,773,325		
Total receipts and shipments, intraport	3,504,685	44,963	3,549,648		42,890,677		

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RARITAN BAY, N. J.—continued.

CARGOES IN TRANSIT.

Classes and commodities.	Amount in short tons.	Value.
Animals and animal products:		
Horses	46	$36,500
Leather	365	109,500
Leather goods	188	236,880
Manure	3,707	5,561
All other	122	54,412
Vegetable food products:		
Fruits	735	20,000
Flour	239	19,544
Grain	4	174
Sugar	450	45,000
All other	1,870	332,906
Other vegetable products:		
Rubber goods	856	256,800
Tobacco	420	525,000
All other	1,201	514,028
Textiles:		
Dry goods	110	77,000
Cotton goods	1,950	1,526,850
Cotton (raw)	220	66,000
Rope	1	135
All other	45	17,084
Wood and paper:		
Lumber and timber (sawed)	1,947	42,801
Piles or logs	2,128	85,120
Ties	52,200	824,211
All other	3,653	160,732
Nonmetallic minerals:		
Asphalt	48,808	439,292
Brick (building)	44,305	367,805
Brick (hollow tile)	58,076	745,953
Brick (fire)	149	1,920
Cement	14,062	210,924
Lime	16	548
Sand	253,926	346,454
Crushed stone	19,151	27,900
Paving blocks (asphalt)	3,992	32,724
Clay	32,698	238,683
Clay manufactures	250	15,250
Nonmetallic minerals—Continued.		
Coal	29,863	$254,720
Coke	1,939	13,920
Oyster shells	274	750
Moulding sand	5,900	8,850
Lubricating oil	75,037	6,100,092
Gasoline	21,172	1,764,325
Kerosene	11,367	553,438
Other petroleum products	32,700	942,715
Chalk and whiting	15	165
All other	19,391	379,236
Ores, metals and manufactures:		
Slag	869	1,304
Copper ore	100,601	10,060,100
Copper (sheet, bar, etc.)	1	350
Copper (ingot)	55,562	14,446,120
Steel (ingot, sheet, bar, etc.)	601	43,656
Structural steel	54	2,620
Other metals (sheet, bar, etc.)	367	73,400
Pipe (cast iron)	1,475	200,600
Hardware	712	158,286
All other	4,977	830,075
Machinery and vehicles:		
Engines and machinery	321	100,865
All other	800	300,000
Chemicals:		
Drugs and chemicals	1,109	43,604
Fertilizer (chemical)	68,444	4,668,246
All other	11,708	1,214,420
Unclassified:		
General merchandise	27,329	3,255,931
All other	7,956	2,689,128
Total	1,027,940	60,510,716

SUMMARY.

Classes of commodities.	Foreign, exports.		Domestic.				Total.	
			Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			3,623	$72,000	7,438	$159,000	11,061	$231,000
Nonmetallic minerals	11,656	$85,562	1,092,848	6,884,891	3,533,558	26,539,208	4,638,062	33,509,661
Chemicals					14,916	9,820,060	14,916	9,820,060
Unclassified					21,975	6,592,500	21,975	6,592,500
Total	11,656	85,562	1,096,471	6,956,891	3,577,887	43,119,768	4,686,014	50,162,221

	Short tons.	Value.
Cargoes in transit	1,027,940	$60,510,716

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RARITAN BAY, N. J.—continued.

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Steamers	29	12	807	807	119	3,329	6	23
Towboats	75	.....	4,967	4,967	30	150	5	12
Sailing vessels	19	.....	128	128	40	100	4	11
Canal boats, lighters, barges, etc.	907	.....	14,237	14,237	155	1,450	3	19
Miscellaneous craft	14	.....	326	326	10	107	4	9
Unregistered: Canal boats, lighters, barges, etc	120	.....	664	664	156	1,200	3	14

Passengers carried, none.

RARITAN RIVER, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890	1,661,425	(1)	1907	725,690	$32,678,472
1892	1,120,302	(1)	1908	918,302	26,401,439
1893	1,446,658	(1)	1909	936,533	43,504,916
1894	1,138,692	(1)	1910	963,473	53,355,340
1895	975,101	$15,844,469	1911	1,100,851	64,441,303
1896	1,136,974	(1)	1912	1,177,157	64,988,510
1897	1,218,752	(1)	1913	1,243,923	73,175,177
1898	1,255,972	29,301,474	1914	1,034,853	68,133,228
1899	1,523,391	28,957,303	1915	1,102,594	69,156,343
1900	1,476,645	33,446,582	1916	1,126,770	148,893,788
1901	1,266,950	15,550,539	1917	824,614	131,391,056
1902	1,228,791	15,052,690	1918	777,213	130,140,335
1903	1,020,420	19,351,776	1919	1,375,945	272,664,878
1905	605,197	16,895,433	1920 [2]	522,524	96,196,696
1906	736,666	17,377,645	1921 [2]	585,072	38,297,852

No passengers carried.

[1] No statistics available.
[2] Exclusive of the following traffic:

Cargoes in transit.

Year.	Tons.	Value.
1920	289,021	$19,157,743
1921	211,422	10,781,128

Freight traffic, 1921.

[Navigation season, continuous.]

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Nonmetallic minerals: Clay	10,854	10,854	$108,540	$108,540

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RARITAN RIVER, N. J.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Wood and paper: Ties		1,503	1,503	$23,730	$23,730	1,888.0	
Nonmetallic minerals: Crushed stone	2,418		2,418	3,348	3,348	83.3	
Total receipts, coastwise	2,418	1,503	3,921		27,078		
SHIPMENTS, COASTWISE.							
Nonmetallic minerals			4,332		11,500		
Building brick	300			2,500		79.7	2.5
Clay	4,032			9,000		465.0	
Total shipments, coastwise	4,332		4,332		11,500		
Total receipts and shipments, coastwise	6,750	1,503	8,253		38,578		
RECEIPTS, INTERNAL.							
Nonmetallic minerals			18,762		63,261		
Crushed stone	12,983			17,917		71.0	
Coal	5,779			45,344		43.0	5.7
Chemicals: Explosives	17		17	500	500	72.0	8.7
Total receipts, internal	18,779		18,779		63,761		
SHIPMENTS, INTERNAL.							
Nonmetallic minerals			6,484		75,215		
Brick (hollow tile)		400		6,000		75.0	2.1
Clay	5,784			53,790		262.0	2.2
Clay manufactures	250			15,250		532.0	
Fire sand	50			175		93.0	2.4
Chemicals: Explosives	82		82	7,000	7,000	72.0	
Total shipments, internal	6,166	400	6,566		82,215		
Total receipts and shipments, internal	24,945	400	25,345		145,976		
RECEIPTS, INTRAPORT.							
Animals and animal products			367		137,542		
Leather		324		97,200		29.0	
Leather goods		26		32,760		29.0	
All other		17		7,582		29.0	
Vegetable food products			1,155		275,725		
Sugar		50		5,000		29.0	
All other		1,105		270,725		29.0	
Other vegetable products			1,887		912,678		
Rubber goods		483		144,900		29.0	
Tobacco		203		253,750		29.0	
All other		1,201		514,028		29.0	
Textiles			1,887		1,365,500		
Dry goods		63		44,100		29.0	
Cotton goods		1,600		1,252,800		29.0	
Cotton (raw)		220		66,000		29.0	
All other		4		2,600		29.0	
Wood and paper			1,907		83,908		
Excelsior		61		2,684		29.0	
Furniture		30		1,320		29.0	
Paper cardboard		1,789		78,716		29.0	
Wood products		27		1,188		29.0	
Nonmetallic minerals			26,023		241,050		
Lime		16		548		29.0	
Coal	25,154			152,737		2.7	
Lubricating oil		831		87,355		26.7	
Chalk and whiting		15		165		29.0	
All other		7		245		29.0	

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RARITAN RIVER, N. J.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT—contd.						*Miles.*	*Cents.*
Ores, metals, and manufactures			36,954		$3,895,002		
Copper ore		34,343		$3,434,300		29.0	
Copper (sheet, bar, wire)		1		350		29.0	
Steel (ingot, sheet, bar)		101		5,656		29.0	
Other metals		2		400		29.0	
Hardware		713		168,286		29.0	18.6
All other		1,794		296,010		29.0	
Chemicals			8,241		4,381,690		
Drugs and chemicals		815		30,970		29.0	13.8
All other		7,426		4,350,720		29.0	
Unclassified			10,802		3,249,178		
General and miscellaneous		10,546		3,163,650		29.8	
All other		256		85,528		29.0	
Total receipts, intraport	25,154	64,069	89,223		14,542,273		
SHIPMENTS, INTRAPORT.							
Animals and animal products			203		216,420		
Leather		41		12,300		29.0	
Leather goods		162		204,120		29.0	
Vegetable food products: Groceries		12	12	2,940	2,940	29.0	
Other vegetable products			590		383,150		
Rubber goods		373		111,900		29.0	
Tobacco		217		271,250		29.0	
Textiles			415		317,650		
Dry goods		47		32,900		29.0	
Cotton goods		350		273,050		29.0	
All other		18		11,700		29.0	
Wood and paper			331		14,564		
Furniture		4		176		29.0	
Paper cardboard		327		14,388		29.0	
Nonmetallic minerals			366,303		1,489,850		
Brick (building)		42,247		350,335		32.4	
Brick (hollow tile)		44,607		576,811		34.6	
Brick (fire)		149		1,920		24.5	
Sand	260,307			340,649		32.5	
Clay		11,932		66,855		28.1	
Molding sand		5,900		8,850		31.1	
Lubricating oil		8		1,110		29.0	
Other lubricating oil		632		125,000		29.0	
All other		521		18,320		31.6	
Ores, metals and manufactures			56,372		14,609,405		
Copper (ingot)		55,730		14,489,800		29.0	
Other metals (sheet, bar)		365		73,000		30.0	
All other		277		46,605		29.0	
Machinery and vehicles, machinery		154	154	46,200	46,200	29.0	
Chemicals			8,775		894,500		
Drugs and chemicals		278		10,564		29.0	
All other		8,497		883,936		19.5	
Unclassified			17,298		5,482,000		
General and miscellaneous		9,598		2,879,400		19.7	
All other		7,700		2,602,600		29.0	
Total shipments, intraport	260,307	190,146	450,453		23,456,679		
Total receipts and shipments, intraport	285,461	254,215	539,676		37,998,952		
LOCAL.							
Nonmetallic minerals: Brick (building)	944		944	5,806	5,806	20.0	11.3

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RARITAN RIVER, N. J.—continued.

CARGOES IN TRANSIT.

Classes and commodities.	Amount in short tons.	Value.	Classes and commodities.	Amount in short tons.	Value.
Vegetable food products:			Nonmetallic minerals—Continued.		
Sugar	125	$12,500	Other petroleum products	32,068	$817,715
Wood and paper:			All other	6,381	117,253
Lumber and timber (sawed)	251	5,527	Ores, metals and manufactures:		
Piles or logs	2,128	85,120	Slag	869	1,304
All other	1,360	59,840	Copper ore	248	24,800
Nonmetallic minerals:			Steel (ingot, sheet, etc.)	500	38,000
Asphalt	7,053	63,477	Structural steel	54	2,620
Brick (building)	1,758	14,943	Pipe (cast iron)	1,475	200,600
Brick (hollow tile)	12,870	160,113	All other	2,774	457,710
Cement	14,062	210,924	Machinery and vehicles:		
Sand	73	108	Engines and machinery	80	28,565
Crushed stone	4,750	7,715	Chemicals:		
Paving blocks (asphalt)	3,992	32,724	Drugs and chemicals	5	190
Clay	77	308	Fertilizer (chemical)	8,329	44,068
Coal	2,352	25,376	All other	897	93,288
Coke	1,939	13,930			
Lubricating oil	72,323	5,936,627			
Gasoline	21,262	1,772,325			
Kerosene	11,367	553,438	Total	211,422	10,781,128

SUMMARY.

Classes of commodities.	Foreign, exports.		Domestic.				Total.	
			Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products					570	$353,962	570	$353,962
Vegetable food products					1,167	278,665	1,167	278,665
Other vegetable products					2,477	1,295,828	2,477	1,295,828
Textiles					2,302	1,683,150	2,302	1,683,150
Wood and paper			1,503	$23,730	2,238	98,472	3,741	122,202
Nonmetallic minerals	10,854	$108,540	6,750	14,848	418,516	1,875,182	436,120	1,998,570
Ores, metals, and manufactures					93,326	18,504,407	93,326	18,504,407
Machinery and vehicles					154	46,200	154	46,200
Chemicals					17,115	5,283,690	17,115	5,283,690
Unclassified					28,100	8,731,178	28,100	8,731,178
Total	10,854	108,540	8,253	38,578	565,965	38,150,734	585,072	38,297,952

	Short tons.	Value.
Cargoes in transit	211,422	$10,781,128

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Steamers	12		323	323	119	204	6	8
Towboats	35		1,000	1,000	30	60	5	10
Sailing vessels	7		29	29	40	80	4	11
Canal boats, lighters, barges, etc.	261		2,868	2,868	155	1,000	3	13
Unregistered: Canal boats, lighters, barges, etc	5		156	156	224	754	3	12

Passengers carried, none.

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SOUTH RIVER, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1893	156,260	(1)	1908	99,197	$472,013
1894	166,500	(1)	1909	133,487	439,914
1895	177,794	$1,970,113	1910	127,170	431,061
1896	216,783	1,200,000	1911	127,024	480,411
1897	306,563	(1)	1912	203,330	977,618
1898	274,381	(1)	1913	187,051	747,829
1899	343,202	(1)	1914	137,459	575,774
1900	414,288	(1)	1915	111,226	513,461
1901	328,186	988,458	1916	106,905	682,919
1902	387,246	1,115,635	1917	23,727	95,923
1903	333,890	1,177,431	1918	21,500	71,211
1904	392,626	1,027,371	1919	32,781	257,548
1905	260,204	1,046,208	1920	13,130	184,830
1906	226,227	972,550	1921	22,432	221,630
1907	118,549	477,530			

No passengers carried.

[1] No statistics available.

The increase in tonnage for 1921 was due to an increase in the amount of building material transported through the waterway.

Freight traffic, 1921.

[Navigation season, continuous.]

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	*Cents.*
Nonmetallic minerals			6,503		$27,823		
Sand	73			$108		23.0	3.2
Crushed stone	4,750			7,715		55.3	
Coal	1,680			20,000		38.5	
Total receipts, internal	6,503		6,503		27,823		
RECEIPTS, INTRAPORT.							
Nonmetallic minerals: Coal	672		672	7,200	7,200	9.8	7.7
SHIPMENTS, INTRAPORT.							
Nonmetallic minerals			15,257		186,607		
Brick (building)	2,044			16,726		29.5	
Brick (hollow tile)		12,870		160,113		29.7	
Clay		77		308		12.0	12.5
All other		266		9,460		34.6	3.1
Total shipments, intraport	2,044	13,213	15,257		186,607		
Total receipts and shipments, intraport	2,716	13,213	15,929		193,807		

SUMMARY.

Classes of commodities.	Domestic.		Total.	
	Tons.	Value.	Tons.	Value.
Nonmetallic minerals	22,432	$221,630	22,432	$221,630

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SOUTH RIVER, N. J.—continued.

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Sailing vessels	1	.....	8	8	.....	.....	5	11
Canal boats, lighters, barges, etc.	14	.....	78	78	200	450	5	9

Passengers carried, none.

CHEESEQUAKE CREEK, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1886	50,000	$216,000	1913	23,679	$45,043
1905	45,500	146,050	1914	29,213	190,428
1906	83,648	625,000	1915	23,402	158,437
1907 [1]	89,500	263,100	1916	23,337	258,502
1908	79,520	209,550	1917	32,253	197,000
1909	61,880	178,900	1918	40,513	24,351,501
1910	(2)	(2)	1919	34,181	20,148,336
1911	36,500	277,500	1920	10,138	4,488,550
1912	44,130	292,500	1921	9,183	405,298

No passengers carried.

[1] Tonnage reported since 1907 in net tons; previous reports in long tons.
[2] No statistics available.

The decrease in tonnage in 1920 and 1921 as compared with previous years is due to the relatively small amount of ammunition handled. The decrease in the value of the tonnage of 1921 is due to the lack of tonnage of high value moving to or from the Morgan general ordnance depot. The tonnage in 1921 was handled in vessels usually loaded to 8 feet.

Freight traffic, 1921.

[Navigation season continuous.]

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS, COASTWISE.						Miles.
Nonmetallic minerals: Sand	4,666	.....	4,666	$4,666	$4,666	44.2
RECEIPTS, INTRAPORT.						
Animal and animal products: Manure	2,621	.....	2,621	3,932	3,932	15.2
Machinery and vehicles: Automobiles	.....	300	300	300,000	300,000	16.0
Total receipts, intraport	2,621	300	2,921	.....	303,932	.....
SHIPMENTS, INTRAPORT.						
Vegetable food products	.....	.....	1,396	.....	56,700	.....
Fruit	.....	735	.....	20,000	.....	16.0
Tomatoes	.....	661	.....	36,700	.....	16.0
Chemicals: Ammunition	.....	200	200	40,000	40,000	16.0
Total shipments, intraport	.....	1,596	1,596	.....	96,700	.....
Total receipts and shipments, intraport	2,621	1,896	4,517	.....	400,632	.....

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CHEESEQUAKE CREEK, N. J.—continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			2,621	$3,932	2,621	$3,932
Vegetable food products			1,396	56,700	1,396	56,700
Nonmetallic minerals	4,666	$4,666			4,666	4,666
Machinery and vehicles			300	300,000	300	300,000
Chemicals			200	40,000	200	40,000
Total	4,666	4,666	4,517	400,632	9,183	405,298

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Steamers	1		60	60	325			11
Towboats	1		18	18				
Canal boats, lighters, barges, etc.	10		18	18	309	565	3	9

Passengers carried, none.

KEYPORT HARBOR, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890	222,965	(1)	1908	123,724	$3,146,800
1894	687,169	$4,375,205	1909	50,932	1,345,020
1895	434,625	5,905,500	1910	77,998	1,783,136
1896	540,200	(1)	1911	96,477	1,868,650
1897	109,200	(1)	1912	221,559	1,434,433
1899	67,500	(1)	1913	130,921	2,057,245
1901	45,000	(1)	1914	116,628	3,262,358
1902	62,000	1,628,000	1915	59,790	1,855,008
1903	62,000	1,628,000	1916	40,624	1,607,300
1904	70,000	1,948,000	1917 [3]	26,313	633,052
1905	88,821	2,202,105	1918 [3]	27,857	705,173
1906	229,377	3,074,060	1919	44,033	1,978,288
1907 [2]	160,925	3,275,305	1920 [4]	11,824	2,889,600
			1921 [4]	9,007	1,653,153

[1] No statistics available.
[2] Tonnage report since 1907 in short tons; previous reports in long tons.
[3] Passengers carried; 41,600 in 1917, and 50,000 in 1918.
[4] Exclusive of the following traffic:

Cargoes in transit.

Year.	Tons.	Value.
1920	2,000	$8,000
1921	1,086	2,650

The decrease in tonnage in 1920 and 1921 as compared with previous years is due mainly to the relatively small amount of oysters and oyster shells handled.

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KEYPORT HARBOR, N. J.—continued.

Freight traffic, 1921.

[Navigation season, continuous.]

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, COASTWISE.							
Nonmetallic minerals: Oyster shells	274		274	$750	$750	*Miles.* 87.1	*Cents.*
RECEIPTS, INTRAPORT.							
Animals and animal products:							
Oysters and clams	3,125		3,125	60,000	60,000	3.7	
Vegetable food products			367		50,040		
Sugar		275		27,500		22.5	10.3
All other		92		22,540		22.5	10.3
Textiles			12		1,435		
Rope		1		135		22.5	19.1
All other		11		1,300		22.5	15.1
Wood and paper: Paper, printed		55	55	2,420	2,420	22.5	10.3
Nonmetallic minerals: Asphalt		25	25	225	225	22.5	
Unclassified: General merchandise		1,616	1,616	486,965	486,965	22.5	10.3
Total receipts, intraport	3,125	2,075	5,200		601,085		
SHIPMENTS, INTRAPORT.							
Animals and animal products:							
Horses		46	46	58,400	58,400	22.5	10.3
Vegetable food products			243		19,718		
Flour		239		19,544		22.5	10.3
Grain	4			174		22.5	10.3
Textiles: Bagging		12	12	1,484	1,484	22.5	15.1
Unclassified: General merchandise		3,232	3,232	971,716	971,716	22.5	10.3
Total shipments, intraport	4	3,529	3,533		1,051,318		
Total receipts and shipments, intraport	3,129	5,604	8,733		1,652,403		

CARGOES IN TRANSIT.

Classes and commodities.	Amount in short tons.	Value.
Animals and animal products: Manure	1,086	$2,650

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			3,171	$118,400	3,171	$118,400
Vegetable food products			610	69,758	610	69,758
Textiles			24	2,919	24	2,919
Wood and paper			55	2,420	55	2,420
Nonmetallic minerals	274	750	25	225	299	975
Unclassified			4,848	1,458,681	4,848	1,458,681
Total	274	750	8,733	1,652,403	9,007	1,653,153

Cargoes in transit, 1,086 tons valued at $2,650.

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KEYPORT HARBOR, N. J.—continued.

Vessels built and launched.

Class.	Number.
Power house boats	8
Yachts	4
Miscellaneous craft	20

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Steamers	1	.....	260	260	450	.....	.....	11
Canal boats, lighters, barges, etc.	4	.....	4	4	348	370	3	7
Power boats	3	.....	125	125	10	40	4	7

No passengers carried.

MATAWAN CREEK, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1895	338,025	(1)	1910	41,420	$46,620
1896	435,000	(1)	1911	48,745	86,050
1897	415,000	(1)	1912	196,406	448,623
1899	51,000	(1)	1913	79,085	146,890
1901	60,080	(1)	1914	70,553	194,358
1902	61,500	$1,265,000	1915	11,974	44,603
1903	61,500	1,265,000	1916	5,000	10,000
1904	29,600	74,000	1917	1,114	2,280
1905	56,471	203,955	1918	3,072	6,148
1906	128,181	717,505	1919	3,763	9,783
1907 [2]	40,900	163,500	1920	2,000	8,000
1908	10,167	38,285	1921	1,086	2,650
1909	16,800	22,000			

No passengers carried.

[1] No statistics available.
[2] Tonnage reported since 1907, in short tons; previous reports in long tons.

The decrease in tonnage for 1921 is due to the smaller amount of manure received.

Freight traffic, 1921.

DOMESTIC.

Class and commodity.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
INTRAPORT RECEIPTS.						*Miles.*
Animals and animal products: Manure	1,086	.....	1,086	$2,650	$2,650	23.5

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MATAWAN CREEK, N J.—continued.

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered: Canal boats, lighters, barges, etc	3	.....	3	3	348	376	3	9

Passengers carried, none.

SHOAL HARBOR AND COMPTON CREEK, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1892	62,000	(1)	1907 [2]	62,895	$1,809,380
1893	69,500	(1)	1908	82,262	1,510,210
1894	104,000	$328,500	1909	37,761	490,975
1895	152,000	(1)	1910	54,977	999,895
1896	167,000	337,000	1911	61,702	612,500
1897	184,000	(1)	1912	92,015	701,440
1898	194,500	(1)	1913	65,135	915,900
1899	226,000	(1)	1914	26,515	1,179,585
1900	179,500	(1)	1915	20,598	523,560
1901	180,000	2,960,500	1916	4,875	276,800
1902	48,790	964,260	1917	7,758	823,900
1903	65,175	1,367,200	1918	19,233	1,624,041
1904	28,570	906,350	1919	32,758	944,621
1905	34,340	1,198,200	1920	11,666	320,746
1906	34,538	1,167,920	1921	86,829	854,526

No passengers carried.

[1] No statistics available.
[2] Tonnage reported since 1907 in short tons; previous reports in long tons.

The increase in tonnage in 1921 as compared with previous years is due to the increased amount of fish handled, as well as to the fact that a considerable quantity of ashes was received for filling purposes.

Freight traffic, 1921.

[Navigation season, continuous.]

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS, COASTWISE.						*Miles.*
Animal and animal products: Fish	2,640	.....	2,640	$14,040	$14,040	.....
RECEIPTS, INTERNAL.						
Unclassified: Ice	.....	251	251	2,510	2,510	131
SHIPMENTS, INTERNAL.						
Animals and animal products: Fertilizer	.....	5,200	5,200	12,000	12,000	324
Total receipts and shipments, internal	.....	5,451	5,451	.....	14,510	.....

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SHOAL HARBOR AND COMPTON CREEK, N. J.—continued

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS, INTRAPORT.						*Miles.*
Animal and animal products			34,652		$254,485	
Fish		34,559		$245,391		5.3
Oysters and clams		36		2,150		5.3
All other		57		6,944		5.3
Textiles: All other		1,439	1,439	161,000	161,000	5.3
Wood and paper			1,042		12,718	
Piles or logs	100			590		5.3
All other		942		12,128		5.3
Nonmetallic minerals			38,128		5,800	
Ashes	38,000			5,700		19.0
Stone	128			100		5.3
Unclassified: Fishing nets		125	125	6,000	6,000	5.3
Total receipts, intraport	38,228	37,158	75,386		440,003	
SHIPMENTS, INTRAPORT.						
Animal and animal products			661		135,445	
Fish		514		81,921		19.0
Oysters and clams		29		2,035		19.0
All other		118		51,489		19.0
Textiles: All other		1,601	1,601	235,800	235,800	5.3
Wood and paper: All other		942	942	12,128	12,128	5.3
Nonmetallic minerals: Stone	128		128	100	100	5.3
Unclassified: General and miscellaneous		20	20	2,500	2,500	5.3
Total shipments, intraport	128	3,224	3,352		385,973	
Total receipts and shipments, intraport	38,356	40,382	78,738		825,976	

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	2,640	$14,040	40,513	$401,930	43,153	$415,970
Textiles			3,040	396,800	3,040	396,800
Wood and paper			1,984	24,846	1,984	24,846
Nonmetallic minerals			38,256	5,900	38,256	5,900
Unclassified			396	11,010	396	11,010
Total	2,640	14,040	84,189	840,486	86,829	854,526

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Sailing vessels	2		437	437	14	30	6	8
Canal boats, lighters, barges, etc.	15		76	76	300	800	5	9
Power boats	61		2,895	2,895	5	43	2	6

Passengers carried, none.

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SHREWSBURY RIVER, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1892	672,000	$6,591,000	(1)	1906	1,668,500	$7,235,000	(1)
1893	737,000	7,026,000	(1)	1907	1,718,125	6,629,750	(1)
1894	936,000	8,386,250	(1)	1908	1,854,160	6,270,000	(1)
1895	630,100	(1)	(1)	1909	1,959,920	7,320,000	438,478
1896	868,130	(1)	(1)	1910	1,608,000	6,548,000	471,875
1897	896,600	(1)	(1)	1912 [2]	1,306,188	6,820,750	405,558
1898	1,003,000	(1)	(1)	1914	411,035	8,684,723	329,547
1899	906,000	(1)	(1)	1915	141,012	3,993,348	305,732
1900	804,000	(1)	(1)	1916	108,301	2,760,550	278,022
1901	488,000	(1)	(1)	1917	95,302	2,436,810	410,312
1902	657,000	5,680,000	(1)	1918	49,332	4,288,612	186,009
1903	761,000	6,810,000	(1)	1919	66,963	5,034,073	174,178
1904	780,290	7,051,826	(1)	1920	42,179	4,732,869	185,008
1905	1,768,500	8,215,000	(1)	1921	33,878	7,504,436	204,033

[1] No statistics available. [2] Fiscal year 1911–12.

The decrease in tonnage for 1921 is due to general falling off on practically all commodities transported.

Freight traffic, 1921.

[Navigation season, continuous.]

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS.						*Miles.*	*Cents.*
Vegetable food products			1,117		$92,300		
Vegetables		62		$6,400		30.0	
Flour		274		22,400		30.0	
Grain		281		13,500		30.0	12.0
Sugar		500		50,000		30.0	12.0
Other vegetable products: Rubber goods		30	30	9,000	9,000	30.0	12.0
Textiles: Rope		45	45	6,750	6,750	30.0	12.0
Wood and paper: Lumber and timber		150	150	3,300	3,300	30.0	9.3
Nonmetallic minerals			19,555		96,030		
Cement		70		1,050		30.0	9.3
Lime		58		2,000		30.0	9.3
Crushed stone	2,489			6,000		69.0	1.8
Riprap	12,000			24,000		30.0	
Sewer pipe		40		800		30.0	9.3
Salt		15		180		30.0	7.3
Coal	4,883			62,000		21.7	4.6
Ores, metals, and manufactures			797		135,350		
Copper (sheet, bar)		10		3,060		30.0	12.0
Iron (sheet, bar)		30		4,500		30.0	7.3
Cast-iron manufactures		80		17,760		30.0	9.3
Structural steel		200		11,600		30.0	9.3
Wire (iron or steel)		45		6,750		30.0	7.3
Lead manufactures		15		2,550		30.0	8.7
Cast-iron pipe		40		5,440		30.0	9.3
Hardware		377		83,750		30.0	9.3
Machinery and vehicles			135		39,600		
Agricultural implements		60		17,100		30.0	16.7
Engines and machinery		75		22,500		30.0	16.7
Chemicals			340		10,520		
Drugs and chemicals		40		1,520		30.0	16.7
Fertilizer (chemical)		300		9,000		30.0	8.7
Unclassified			2,140		1,282,575		
Pianos		75		53,400		30.0	16.7
General and miscellaneous		2,065		1,229,175		30.0	
Total receipts	19,372	4,937	24,309		1,675,425		

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SHREWSBURY RIVER, N. J.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS.						*Miles.*	*Cents.*
Animals and animal products			804		$565,430		
Horses		441		$350,000		30.0	10.1
Cattle		305		210,000		30.0	
Fish		20		3,180		30.0	23.3
Oysters and clams		38		2,250		30.0	12.0
Vegetable food products			600		60,000		
Fruits		225		22,500		30.0	
Vegetables		375		37,500		30.0	
Textiles			4,801		4,347,183		
Dry goods		3,000		2,100,000		30.0	16.7
Clothing		1,000		1,620,000		30.0	15.7
Cotton goods		801		627,183		30.0	13.3
Nonmetallic minerals: Sand	73		73	108	108	31.0	3.2
Machinery and vehicles: Unclassified		6	6	7,500	7,500	30.0	
Unclassified: General and miscellaneous		3,285	3,285	848,790	848,790	30.0	18.7
Total shipments	73	9,496	9,569		5,829,011		
Total receipts and shipments	19,445	14,433	33,878		7,504,436		

SUMMARY.

Classes of commodities.	Domestic.		Total.	
	Tons.	Value.	Tons.	Value.
Animals and animal products	804	$565,430	804	$565,430
Vegetable food products	1,717	152,300	1,717	152,300
Other vegetable products	30	9,000	30	9,000
Textiles	4,846	4,353,933	4,846	4,353,933
Wood and paper	150	3,300	150	3,300
Nonmetallic minerals	19,628	96,138	19,628	96,138
Ores, metals, and manufactures	797	135,350	797	135,350
Machinery and vehicles	141	47,100	141	47,100
Chemicals	340	10,520	340	10,520
Unclassified	5,425	2,131,365	5,425	2,131,365
Total	33,878	7,504,436	33,878	7,504,436

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Steamers	4		1,472	1,472	268	558	4	7
Sailing vessels	5		81	81	70	89	4	11
Canal boats, lighters, barges, etc.	3		24	24	400	600	3	9

Passengers carried, 204,033.

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SANDY HOOK BAY, N. J.

Freight traffic, 1921.

[Navigation season, continuous.]

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
INTRAPORT RECEIPTS.						*Miles.*
Textiles, unclassified		1,601	1,601	$235,800	$235,800	4.6
Wood and paper: Unclassified		942	942	12,128	12,128	4.6
Nonmetallic minerals: Stone	128		128	100	100	4.6
Unclassified			3,722		1,451,400	
General and miscellaneous		3,161		945,400		9.3
Ordnance		436		500,000		13.2
Fishing nets		125		6,000		13.2
Total receipts, intraport	128	6,265	6,393		1,699,428	
SHIPMENTS, INTRAPORT.						
Animals and animal products			34,652		249,985	
Fish		34,559		245,391		4.6
Oysters and clams		36		2,150		4.6
All other		57		2,444		4.6
Textiles: Unclassified		1,439	1,439	161,000	161,000	4.6
Wood and paper			1,042		12,718	
Piles or logs		100		500		4.6
All other		942		12,128		4.6
Nonmetallic minerals: Stone	128		128	100	100	4.6
Unclassified: General and miscellaneous		1,729	1,729	518,700	518,700	14.0
Total shipments, intraport	128	38,862	38,990		942,503	
Total receipts and shipments, intraport	256	45,127	45,383		2,641,931	

CARGOES IN TRANSIT.

Classes and commodities.	Amount in short tons.	Value.
Animals and animal products:		
Horses	441	$350,000
Cattle	305	210,000
Fish	2,660	17,220
Oysters and clams	38	2,250
Vegetable food products:		
Fruits	225	22,500
Vegetables	437	43,900
Flour	274	22,400
Grain	281	13,500
Sugar	500	50,000
Other vegetable products:		
Rubber goods	30	9,000
Textiles:		
Dry goods	3,000	2,100,000
Clothing	1,000	1,620,000
Cotton goods	801	627,183
Rope	45	6,750
Wood and paper: Lumber and timber (sawed)	150	3,300
Nonmetallic minerals:		
Cement	70	1,050
Lime	58	2,000
Sand	73	108
Crushed stone	2,489	6,000
Riprap	6,080	9,120
Sewer pipe	40	800
Salt	15	180
Nonmetallic minerals—Continued.		
Coal	4,883	$62,000
Ores, metals and manufactures:		
Copper (sheet, bar, etc.)	10	3,000
Iron (sheet, bar, etc.)	30	4,500
Cast-iron manufactures	80	17,760
Structural steel	200	11,600
Wire (iron or steel)	45	6,750
Lead manufactures	15	2,550
Pipe (cast iron)	40	5,440
Hardware	377	83,750
Machinery and vehicles:		
Agricultural implements	60	17,100
Engines and machinery	75	22,500
All other	6	7,500
Chemicals:		
Drugs and chemicals	40	1,520
Fertilizer (chemical)	300	9,000
Unclassified:		
General merchandise	350	105,000
Pianos	75	53,400
Total	25,598	5,530,631

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SANDY HOOK BAY, N. J.—continued.

SUMMARY.

Classes of commodities.	Domestic.		Total.	
	Tons.	Value.	Tons.	Value.
Animal and animal products	34,652	$249,985	34,652	$249,985
Textiles	3,040	396,800	3,040	396,800
Wood and paper	1,984	24,846	1,984	24,846
Nonmetallic minerals	256	200	256	200
Unclassified	5,451	1,970,100	5,451	1,970,100
Total	45,383	2,641,931	45,383	2,641,931

	Short tons.	Value.
Cargoes in transit	25,598	$5,530,611

Vessel classification, 1921.

Class.	Number of vessels.		Total number of—		Tonnage of vessels.		Draft (feet).	
	American.	Foreign.	Arrivals.	Departures.	Least.	Greatest.	Least.	Greatest.
Registered:								
Steamers	9	.....	3,319	3,319	150	988	4	14
Sailing vessels	6	.....	153	153	14	89	4	11
Canal boats, lighters, barges, etc.	7	.....	30	30	400	600	3	9
Motor boats	51	.....	2,792	2,792	9	43	2	5

Passengers carried, 868,424.

PHILADELPHIA, PA., DISTRICT.

DELAWARE RIVER, FROM ALLEGHENY AVENUE, PHILADELPHIA, PA., TO TRENTON, N. J.

Comparative statement of traffic.

Year.	Receipts and shipments.			Cargoes in transit.	
	Tons.	Value.	Passengers.	Tons.	Value.
1912	1,547,787	$7,676,323	.....	.....	.....
1913	1,869,521	8,914,441	.....	.....	.....
1914	1,712,271	11,254,950	.....	.....	.....
1915	1,782,422	16,196,779	167,500	.....	.....
1916	2,304,364	20,701,380	210,000	.....	.....
1917	2,439,044	19,550,146	220,000	.....	.....
1918	2,536,496	47,859,974	230,000	.....	.....
1919	2,857,937	52,393,003	235,000	.....	.....
1920	2,663,880	33,295,890	298,828	69,695	$2,750,266
1921	1,739,244	12,323,595	335,271	20,976	1,643,701

Figures in the comparative statement of commerce for calendar years prior to 1920 include freight in transit, which class of commerce for these years is now impracticable of separation.

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DELAWARE RIVER, FROM ALLEGHENY AVENUE, PHILADELPHIA, PA., TO TRENTON, N. J.—continued.

Freight traffic, 1921.

[Navigation season, March 1 to December 31, 1921.]

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons by classes.	Value.		Average haul.[1]
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS, COASTWISE.						*Miles.*
Wood and paper: Lumber	1,278		1,278	$22,125	$22,125	350
SHIPMENTS, COASTWISE.						
Nonmetallic minerals: Sand, molding	4,204		4,204	6,306	6,306	51
Ores, metals, and manufactures of: Pipe and fittings, cast iron	9,691		9,691	472,984	472,984	500
Total shipments, coastwise	13,895		13,895		479,290	
Total receipts and shipments	15,173		15,173		501,415	
RECEIPTS, INTERNAL.[2]						
Vegetable food products: Salt hay		605	605	11,985	11,985	43
Nonmetallic minerals			98,087		1,657,356	
Coal	34,648			223,033		20
Oils, mineral:						
Fuel oil	25,098			346,210		25
Gasoline		13,990		635,550		43
Gas oil	13,961			370,373		41
Petroleum, crude	1,863			35,357		53
Sand, molding	6,623			8,753		70
Sulphur		1,904		38,080		3
Ores, metals, and manufactures of			7,619		154,160	
Bauxite	1,402			22,432		3
Pig iron	2,511			48,062		17
Scrap iron	3,706			83,666		15
Chemicals: Soda, silicate of		50	50	1,538	1,538	40
Unclassified: General merchandise		25,624	25,624	5,124,800	5,124,800	33
Total receipts, internal	89,812	42,173	131,985		6,949,839	
SHIPMENTS, INTERNAL.[2]						
Nonmetallic minerals			1,563,761		2,722,757	
Coal	82,897			718,691		35
Sand and gravel	1,435,400			1,937,790		26
Stone	45,464			66,276		33
Ores, metals, and manufactures of			2,742		93,497	
Iron, malleable		12		3,480		33
Pipe and fixtures, iron	2,719			87,410		35
Wire rope		11		2,607		33
Unclassified			9,619		1,923,912	
General merchandise		9,615		1,923,000		33
Empty drums		4		912		50
Total shipments, internal	1,566,480	9,642	1,576,122		4,740,166	
Total receipts and shipments	1,656,292	51,815	1,708,107		11,690,003	
LOCAL.[3]						
Nonmetallic minerals			14,480		83,550	
Coal	8,199			73,701		3
Sand, molding	5,426			8,139		6
Stone	855			1,710		25
Chemicals: Muriatic acid		824	824	33,000	33,000	19
Unclassified: Carboys, empty	660		660	15,625	15,625	19
Total local	15,140	824	15,964		132,175	

[1] Represents average total miles hauled from point of origin to destination.

[2] Internal commerce represents shipments between the section of the Delaware River "Allegheny Avenue Philadelphia, Pa., to Trenton, N. J.," and "Delaware River, Philadelphia, Pa., to the sea," including Schuylkill River, Pa., and other tributary waterways.

[3] Local commerce represents shipments to and from points wholly within the section of the Delaware River from Allegheny Avenue, Philadelphia, Pa., to Trenton, N. J.

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DELAWARE RIVER, FROM ALLEGHENY AVENUE, PHILADELPHIA, PA., TO TRENTON, N. J.—continued.

CARGOES IN TRANSIT.

Commodities.	Amounts in short tons.	Value.	Commodities.	Amounts in short tons.	Value.
Airplanes	82	$410,000	Petroleum, gasoline, and other oils	1,062	$31,960
Asphalt	7,063	155,166	Pipe and fittings	1,475	221,250
Boilers	640	592,000	Slag	869	1,738
Coa. tar	2,265	26,600	Sugar	125	13,125
Coke	2,214	9,136	Wax	833	49,950
Containers, empty	141	5,640			
Copper	248	64,480			
Fertilizer	3,708	57,636	Total	20,976	1,643,701
Lumber	251	5,020			

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products			605	$11,985	605	$11,985
Wood and paper	1,278	$22,125			1,278	22,125
Nonmetallic minerals	4,204	6,306	1,676,328	4,463,663	1,680,532	4,469,969
Ores, metals, and manufactures of	9,691	472,984	10,361	247,657	20,052	720,641
Chemicals			874	34,538	874	34,538
Unclassified			35,903	7,064,337	35,903	7,064,337
Total	15,173	501,415	1,724,071	11,822,180	1,739,244	12,323,595

	Short tons.	Value.
Cargoes in transit	20,976	$1,643,700

Statistics as to vessel classification are not available for this section of the river, but are included in the commercial statistics for that section of the river from Philadelphia to the sea.

DELAWARE RIVER, PHILADELPHIA, PA., TO THE SEA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Revenue collected.
1914	24,817,952	$1,033,229,969	3,039,083	
1915	26,189,790	1,116,529,839	2,588,892	$11,683,331
1916	28,974,016	1,525,614,807	2,850,090	15,932,340
1917	28,721,778	1,945,965,885	1,527,000	14,377,522
1918	24,967,446	2,726,118,519	3,349,286	16,610,733
1919	23,895,976	2,448,773,822	3,390,014	20,019,617
1920	23,947,248	1,362,650,056	1,623,146	22,304,097
1921	15,612,616	672,335,075	2,358,192	25,525,458

Figures in the comparative statement of commerce for calendar years prior to 1920 include car ferry and other across-river traffic, and freight in transit, which classes of commerce for these years are now impracticable of separation. Beginning with 1920, car ferry and other across-river traffic, and freight in transit, have been excluded from the comparative statement, but have been compiled separately and published with the statistics for the calendar year.

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DELAWARE RIVER, PHILADELPHIA, PA., TO THE SEA—continued.

Freight traffic, 1921.

[Navigation season: River open for navigation throughout the year.]

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products		23,552		$6,982,711
Albumen, egg	11		$1,196	
Beeswax	6		2,534	
Bones, hoofs, and horns	9,455		247,135	
Boots and shoes	30		63,306	
Butter and substitutes	42		30,241	
Cheese and substitutes	118		88,862	
Eggs, fresh	177		74,069	
Eggs, dried, frozen, etc	47		26,400	
Furs and fur skins	336		168,122	
Fish:				
Cod, haddock, hake	42		6,825	
Herring	1,543		213,723	
Mackerel	1,500		254,149	
Shellfish	6		5,061	
Fish, all other	266		65,8.2	
Glue and glue size	104		14,348	
Grease	29		3,226	
Hides and skins	8,650		4,973,964	
Leather and manufactures of	107		506,740	
Meat and meat products	774		234,549	
Shells, manufactures of pearl	9		2,399	
Vegetable food products		917,500		57,967,592
Cocoa, crude	1,595		187,829	
Coconuts, in shell	440		49,959	
Coconut meat, copra, etc	11,570		825,985	
Coffee	51		17,241	
Expressed oils—				
Linseed oil	3,732		320,635	
Palm and olive oil	3,229		550,940	
All other	596		91,476	
Flaxseed	13,017		705,033	
Fruits and nuts—				
Bananas	86,100		1,484,654	
Other fruits	2,842		504,168	
Nuts	518		117,718	
Molasses	56,142		256,578	
Oilcake	2,256		163,347	
Pepper, red	89		24,166	
Pepper, black or white	455		63,064	
Spices, all other	28		2,541	
Sugar, except from Philippine Islands	711,738		50,445,221	
Sugar from Philippine Islands	19,523		1,631,475	
Vanilla beans	82		87,564	
Vegetables	573		54,845	
Wheat	2,424		188,000	
Wines and liquors	140		77,383	
All other	360		117,170	
Other vegetable products		50,154		11,314,214
Bark, cinchona	296		246,341	
Dyewoods	19,928		485,295	
Gums:				
Copal	52		11,664	
Shellac	4,676		4,727,001	
All other	1,434		105,641	
Licorice root	18,145		1,633,513	
Mangrove bark	210		11,395	
Other tanning materials	112		2,345	
Opium	12		54,135	
Quebracho, extract of	55		4,614	
Sumac	701		34,341	
Seed, mustard	65		5,031	
Seeds, grass and clover	2,807		748,384	
Seed, all other	260		52,193	
Starch	237		18,275	
Tobacco, leaf	998		2,974,105	
Tobacco, manufactures	12		169,999	
All other	154		29,942	
Textiles		37,254		15,845,894
Burlap	10,128		2,410,308	
Coir yarn	43		2,513	
Cotton and manufactures of	1,256		1,488,328	

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DELAWARE RIVER, PHILADELPHIA, PA., TO THE SEA—continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Textiles—Continued.				
Flax and flax yarns	661		$299,456	
Hair, Angora goat	196		58,048	
Hair, human, manufactures	61		676,120	
Hair:				
Horse	314		366,184	
All other, unmanufactured	232		31,317	
Jute and jute butts	6,464		737,589	
Linoleum	47		21,125	
Matting, cocoa fiber	2,058		160,320	
Silk, unmanufactured, raw and waste	681		2,086,881	
Silk, manufactures of	147		770,552	
Wool, unmanufactured	12,557		3,459,971	
Wool rugs and carpets	711		424,756	
Wool yarn, combing, etc	773		1,408,219	
Worsted and woolens	273		1,115,245	
All other	652		338,962	
Wood and paper		120,484		$7,439,033
Baskets	119		61,182	
Corkwood or bark	4,107		225,003	
Cork waste	15,844		423,348	
Furniture	300		149,133	
Lath	2,378		85,885	
Lithographic labels and prints	61		45,749	
Paper, printing	11,194		898,787	
Paper stock, rags	21,474		523,703	
Paper, surface coated	30		9,901	
Paper, wrapping	51		8,169	
Paper and manufactures, all other	1,110		183,264	
Photographic papers	64		25,736	
Pulp wood	580		32,261	
Shingles, wood	140		6,439	
Wood and lumber, miscellaneous	2,015		167,454	
Wood pulp	61,017		4,596,019	
Nonmetallic minerals		1,721,993		6,930,355
Abrasives, crude, artificial	558		27,734	
Asphaltum	100		1,549	
Benzine, gasoline and naphtha	840		25,002	
Chalk, unmanufactured	9,440		13,152	
Clay, common blue	21,479		80,096	
Clays, miscellaneous	79,480		809,108	
Cryolite	3,485		294,500	
Emery ore	1,683		73,212	
Glass, manufactures	1,796		228,167	
Magnesite, calcined	8		347,095	
Mica and manufactures of	240		19,744	
Mineral oil, crude	1,467,689		3,940,749	
Mineral oil, refined	3,077		48,487	
Paraffin	1,350		196,216	
Salt	19,595		68,889	
Sand, monazite and thorite	271		25,232	
Stone and manufactures of	3,367		10,202	
Sulphur ore	104,330		350,041	
Wax, mineral	3,205		371,180	
Ores, metals, and manufactures of		226,572		3,682,705
Bar iron	385		30,010	
Brass, scrap	921		107,584	
Chrome ore	34,734		332,504	
Copper ore	66,890		335,253	
Ferro-alloy, except ferrosilicon	84		50,163	
Iron:				
Ore	6,691		245,462	
Pig	2,848		108,940	
Iron and steel plates	413		34,525	
Iron and steel manufactures, all other	330		265,015	
Lead, pig	4,480		339,596	
Manganese ore	107,433		835,249	
Steel ingots	28		8,396	
Tin, in bars, etc	193		111,514	
Tin plate	59		17,480	
Wire	18		30,444	
All other	1,065		830,570	
Machinery and vehicles		2,689		894,078
Automobiles and parts, etc	69		92,188	
Machinery	2,620		801,890	

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DELAWARE RIVER, PHILADELPHIA, PA., TO THE SEA—continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Chemicals		68,172		$4,248,522
Acids	104		$38,369	
Alkalies	356		38,816	
Ammonia, muriate of	593		60,530	
Bone ash, dust, and meal	9,382		187,789	
Creosote oil	16,453		539,991	
Cresol	1,221		42,102	
Dyes, coal tar	45		99,958	
Extract for dyeing	67		8,749	
Fertilizers	471		7,956	
Glycerin, crude	561		194,747	
Kainite	2,859		47,468	
Lime, citrate of	170		14,190	
Lime, chloride of	2,064		94,861	
Manure salts	2,446		39,098	
Naphthaline	559		19,800	
Potash	6,210		385,559	
Soda	19,597		1,115,947	
Zinc, oxide of	493		44,958	
All other	4,541		1,269,654	
Unclassified		97,044		6,976,811
Brushes, dusters, etc	695		106,258	
Bristles	3		24,000	
Buttons	4		6,271	
General merchandise and miscellaneous	96,342		6,840,302	
Total imports		3,265,414		122,281,915
EXPORTS.				
Animals and animal products		18,642		7,547,883
Animals—				
Cattle	781		277,500	
Horses	61		22,000	
Fish	165		30,021	
Glue, animal	10		3,923	
Hides and skins—				
Cattle	121		27,424	
Horse	19		3,800	
Other	3		963	
Leather and manufactures of	747		2,692,307	
Meat and dairy products—				
Beef products—				
Canned, fresh, and pickled	495		140,971	
Tallow	191		19,851	
Hog products—				
Bacon and hams	2,265		887,782	
Lard, neutral lard, and lard compound	4,017		1,029,461	
Pork, fresh, canned, and pickled	722		254,689	
Sausage and sausage casings	274		71,969	
Stearin from animal fats	535		105,596	
All other	827		255,670	
Dairy products—				
Butter	2		1,949	
Cheese	6		1,989	
Milk, evaporated and condensed	4,996		1,120,173	
Milk, powdered and other	1		464	
Oils, animal—				
Oleo	2,005		489,650	
Other	399		109,731	
Vegetable food products		1,413,748		73,229,188
Alcohol, proof	614		41,779	
Breadstuffs—				
Barley [1]	1,307		57,333	
Corn	274,313		8,333,360	
Corn meal and oatmeal	4,034		206,549	
Oats [1]	341		13,640	
Rye [1]	33,331		1,704,383	
Rye flour	540		31,862	

[1] Includes Canadian exports through the port of Philadelphia, as follows: Barley, 783 tons: oats, 341 tons; wheat, 467,112 tons; rye, 1,548 tons.

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DELAWARE RIVER, PHILADELPHIA, PA., TO THE SEA—continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes	By commodities.	By classes.
EXPORTS—continued.				
Vegetable food products—Continued.				
Breadstuffs—Continued.				
Wheat [1]	930,340		$49,771,368	
Wheat flour	68,342		4,670,064	
All other	2,846		190,694	
Fruits—				
Green, ripe, and dried	2,603		234,880	
Preserved	85		16,940	
Glucose	1,830		87,563	
Grape sugar	11		939	
Hay	652		31,062	
Malt	730		43,786	
Oil cake—				
Linseed	11,467		460,738	
Coconut and other	3,813		94,612	
Oils, vegetable	27		8,294	
Sugar and molasses:				
Molasses	1,296		40,472	
Sirup	2,212		155,132	
Sugar, refined	71,977		6,820,393	
Vegetables (beans, dried peas, potatoes)	103		14,584	
Vegetables, canned	868		167,837	
All other	66		30,924	
Other vegetable products		15,942		$5,828,809
Hops	1,811		1,328,356	
India rubber and manufactures	509		215,949	
Seeds—				
Grass seeds—				
Timothy	64		9,877	
Other grass seeds	50		38,085	
Other seeds	60		44,995	
Starch—				
Cornstarch	779		39,067	
Other	712		36,057	
Tobacco—				
Leaf	11,146		4,018,737	
Stems and trimmings	800		72,464	
Manufactures of	11		25,222	
Textiles		1,405		413,411
Cordage	1		463	
Cotton, and manufacturers of—				
Upland, bales	344		105,179	
Linters, bales	682		84,470	
Manufactures	378		223,299	
Wood and paper		13,714		700,044
Paper—				
Printing	5		1,275	
Wrapping	62		24,452	
Wood—				
Boards, planks, and scantlings	13,218		632,418	
Logs, hardwood	168		15,858	
Sawed timber	65		3,702	
Wood pulp	196		22,339	
Nonmetallic minerals		1,607,165		41,415,637
Asbestos ore	143		38,816	
Asphaltum, unmanufactured	1,459		49,681	
Brick, fire	203		4,060	
Cement, hydraulic	58		1,800	
Clay, fire	4		141	
Clay, other	265		30,736	
Coal—				
Anthracite	65,039		671,612	
Bituminous	613,742		4,399,230	
Coke	12,894		132,574	
Grease—				
Lubricating	812		162,568	
Other and soap stock	173		25,969	
Oils, mineral—				
Crude	19		616	
Gas and fuel	183,402		2,530,665	

[1] Includes Canadian exports through the port of Philadelphia, as follows: Barley, 783 tons; oats, 341 tons; wheat, 467,112 tons; rye, 1,548 tons.

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DELAWARE RIVER, PHILADELPHIA, PA., TO THE SEA—continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Nonmetallic minerals—Continued.				
Oils, mineral—Continued.				
Illuminating	264,324		$6,845,112	
Lubricating	297,834		16,840,595	
Gasoline	49,228		2,933,725	
Naphtha	104,056		5,902,882	
Residuum	527		21,652	
Paraffin and wax—				
Unrefined	8,439		445,278	
Refined	4,512		372,359	
All other	32		5,566	
Ores, metals, and manufactures of		38,036		$3,420,486
Copper, and manufactures of	31		8,854	
Iron and steel, and manufactures—				
Bars and rods of steel	3,022		233,756	
Pipes and fittings	9,667		1,064,896	
Railway track material—				
Spikes	43		1,975	
Rails of steel	3,654		200,743	
Sheets and plates—				
Iron sheets	30		2,390	
Steel plates	5,869		452,098	
Steel sheets	3,585		290,298	
Ship and tank plates	54		7,368	
Structural iron and steel	1,416		136,338	
All other iron and steel and manufactures	10,361		1,002,605	
Lead, in pigs	7		1,035	
Zinc—				
Dross	295		17,709	
Spelter from domestic ores	2		421	
Machinery and vehicles		36,589		11,393,662
Automobiles and motor cycles	305		327,780	
Engines and machinery	36,284		11,065,882	
Chemicals		51,148		4,636,337
Acid, sulphuric	1		241	
Alcohol, wood	143		37,044	
Bauxite concentrates	378		42,419	
Benzol	35,243		2,870,189	
Coal tar	38		2,178	
Copper, sulphate of	50		6,125	
Explosives—				
Dynamite	242		108,510	
Gunpowder	71		110,874	
Other explosives	35		25,043	
Glycerine	23		7,078	
Lime, chloride of	12		1,053	
Paints, colors, and varnishes—				
White and red lead	20		2,514	
Ready mixed paints	52		21,392	
Varnish	124		40,539	
Other paints and colors	1,462		131,692	
Soap	1,190		243,594	
Soda, salts of	1,827		103,454	
Washing powder	1		174	
All other	10,236		882,224	
Unclassified		63,615		5,661,780
General merchandise and miscellaneous	63,615		5,661,780	
Total exports		3,260,004		154,247,237
Total imports and exports		6,525,418		276,529,152

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DELAWARE RIVER, PHILADELPHIA, PA., TO THE SEA—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.[1]
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS, COASTWISE.						*Miles.*
Animals and animal products			8,635		$11,880,556	
Boots and shoes, leather		2,993		$8,979,000		400
Butter		500		500,000		110
Eggs		500		150,000		110
Hides and leather		2,740		1,518,800		2,200
Packing-house products		546		218,400		550
Poultry, game, and fish		1		800		400
Sea food, canned		1,256		503,656		550
Soap stock		99		9,900		690
Vegetable food products			53,922		14,293,860	
Canned goods		31,041		9,235,340		4,304
Flour		149		10,430		1,900
Food products		2,721		816,300		5,500
Fruits and vegetables		10,725		2,869,940		3,500
Groceries		3,000		720,000		110
Hay		96		2,880		5,500
Mill products (grain and food)		21		1,575		690
Molasses		104		14,560		690
Peanuts		1,769		247,660		690
Pickles		127		44,450		690
Potatoes		1,522		60,880		400
Rice		2,622		267,220		2,500
Sugar		25		2,625		690
Other vegetable products			29,900		3,140,140	
Boots and shoes, rubber		517		775,500		400
Dyewood, and extracts of	200			7,000		93
Naval stores		1,054		141,820		1,550
Rosin		24,311		1,480,260		700
Rubber		65		31,200		5,500
Seeds		20		21,000		5,500
Tobacco, leaf		239		119,500		2,500
Turpentine		3,494		563,860		730
Textiles			45,931		28,879,570	
Cotton, raw		1,566		478,410		1,500
Dry goods		29,592		18,755,200		600
Matting		293		146,500		5,500
Wool		14,386		9,494,760		1,290
All other		94		4,700		400
Wood and paper			249,008		4,534,989	
Books and magazines		193		38,650		500
Cordwood	1,050			5,250		280
Lumber	167,561			3,704,689		471
Mine props	21,785			152,041		350
Paper		1,772		212,640		400
Pulp wood	44,638			334,785		340
Ties (railroad)	12,009			86,934		1,500
Nonmetallic minerals			684,672		10,295,986	
Asphalt		152		3,344		5,500
Clay and fuller's earth		2,437		42,660		750
Magnesite ore	1,500			45,000		237
Petroleum, gasoline, and other oils	656,482			9,689,672		2,000
Sulphur		23,268		465,360		2,150
Wax, paraffin		833		49,950		135
Ores, metals, and manufactures of			2,128		174,500	
Cable, armored	20			9,520		3,000
Castings, bronze		7		3,394		520
Castings, iron		34		4,000		110
Copper	1,000			26,000		5,500
Iron and steel manufactures		975		103,940		500
Tin plate		59		5,900		5,500
Wire and wire fencing		11		1,320		690
All other		22		20,426		200
Machinery and vehicles			3,771		1,859,220	
Boilers		2,972		1,695,000		180
Other machinery		799		164,220		3,000
Chemicals			33,045		946,135	
Acid		2,501		25,010		110
Drugs and chemicals		55		9,500		5,500
Dyestuffs		250		85,000		100
Fertilizer	2,043	3,421		100,845		110

[1] Represents average total miles hauled from point of origin to destination.

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DELAWARE RIVER, PHILADELPHIA, PA., TO THE SEA—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS, COASTWISE—continued.						
Chemicals—Continued.						*Miles.*
Fish scrap	1,182			$47,280		250
Phosphate rock	21,528			538,200		1,400
Soap and soap powder		385		39,500		540
Soda, nitrate of		1,680		100,800		165
Unclassified			38,693		$12,957,370	
Containers, empty		175		13,584		200
General merchandise and miscellaneous		38,466		12,913,456		1,158
Household goods and furniture		34		10,330		708
Pianos		18		20,000		5,500
Total receipts, coastwise	930,998	218,707	1,149,705		88,962,326	
SHIPMENTS, COASTWISE.						
Animals and animal products			8,429		5,606,909	
Boots and shoes, leather		322		966,000		630
Butter		680		680,000		110
Cheese		13		6,500		5,500
Crisco		151		22,650		5,500
Eggs		500		150,000		110
Hides and leather		6,057		3,440,335		655
Packing-house products		335		134,000		550
Poultry, game, and fish		147		117,600		400
Sea food, canned		224		89,824		650
Vegetable food products			56,840		6,711,975	
Canned goods		11,363		1,765,563		1,650
Chocolate and cocoa		1,212		393,900		5,500
Currants		13		866		110
Flour		1,026		71,820		550
Grain, miscellaneous		756		20,520		725
Mill products (grain and food)		172		13,125		653
Peanuts		42		13,440		620
Potatoes		27		1,080		720
Poultry feed		590		35,660		5,500
Sugar		41,628		4,377,201		280
Wines, liquors, and beers		7		14,000		400
All other		4		4,900		5,500
Other vegetable products			4,641		1,724,115	
Boots and shoes, rubber		7		10,500		400
Dyewood extracts		746		239,080		85
Licorice		906		181,200		110
Naval stores		2,180		239,745		4,350
Rubber goods		84		144,150		5,500
Starch		221		30,940		1,840
Tobacco, manufactured		450		855,000		620
Tobacco leaf		47		23,500		600
Textiles			27,665		13,144,120	
Bagging		6,290		1,100,450		520
Cordage		181		51,440		5,500
Cotton		553		193,550		350
Cotton goods		114		136,800		5,500
Cotton waste		354		81,300		5,500
Dry goods		6,533		3,593,150		600
Linoleum, carpets, rugs, etc		4,127		1,708,850		5,032
Wool		9,513		6,278,580		418
Wood and paper			6,456		671,505	
Books and magazines		2,599		366,700		1,261
Cork, insulating		163		10,595		5,500
Lumber	339			7,220		500
Pulp wood	340			2,175		400
Paper		2,324		274,555		3,042
Paper, roofing		680		4,760		350
Woodenware		11		5,500		5,500
Nonmetallic minerals			1,578,922		14,096,250	
Asbestos products		17		11,730		5,500
Cement		117		1,755		5,500
Coal	1,440,796			9,833,384		400
Coke breeze		1,060		1,300		135
Earthenware		827		215,020		5,500
Glassware		402		130,500		5,500

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DELAWARE RIVER, PHILADELPHIA, PA., TO THE SEA—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
SHIPMENTS, COASTWISE—continued.						
Nonmetallic minerals—Continued.						*Miles.*
Grease		31		$4,600		2,800
Petroleum, gasoline, and other oils	39,282	93,515		3,869,703		570
Pyrites, cinders	1,485			11,850		250
Salt		220		2,000		255
Slag	869			1,738		130
Slate, granulated		291		11,640		5,500
Wax, paraffin		10		1,000		118
Ores, metals, and manufactures of			94,044		$9,492,563	
Copper	248			64,480		135
Hardware		2,650		417,000		5,500
Iron and steel manufactures	49,673	22,246		5,805,935		2,080
Nails		75		6,000		630
Nuts and bolts		23		3,450		5,500
Pig iron	127			2,540		5,500
Pipe and fittings		7,906		1,080,043		2,542
Structural steel		4,581		297,215		5,000
Tin plate		1,026		102,600		3,000
Tinware		34		12,500		5,500
Wire and wire fencing		841		116,060		3,000
Wire rope		4,614		1,584,740		5,500
Machinery and vehicles			2,952		1,942,815	
Airplanes		82		410,000		185
Agricultural implements		203		201,500		189
Boilers		173		88,275		5,300
Lawn mowers		27		40,500		5,500
Pulleys		86		50,300		5,500
Storage batteries and parts		946		756,800		5,500
All other		1,435		395,440		2,893
Chemicals			22,556		1,731,083	
Alum		46		2,300		5,500
Ammonia		1,477		295,400		5,500
Baking powder		2		600		800
Black		85		4,930		5,500
Boiler compound		42		18,900		5,500
Chemicals and drugs		1,410		225,575		912
Dyes		12		1,2 0		5,500
Explosives		388		135,550		5,500
Fertilizer	410	11,984		201,119		400
Fish scrap		1,464		29,200		160
Glycerin		546		174,120		5,500
Lithopone		1,890		170,100		5,500
Lye, concentrated		583		116,600		5,500
Paints and varnishes		338		208,000		5,500
Soap and soap powder		700		70,000		796
Soda products		1,179		77,489		1,721
Unclassified			190,245		54,049,467	
Containers, empty		1,050		125,175		5,500
General merchandise and miscellaneous		189,001		53,845,752		1,549
Household goods and furniture		182		54,540		767
Phonographs		12		24,000		5,500
Total shipments, coastwise	1,533,569	459,181	1,992,750		109,170,802	
Total receipts and shipments	2,464,567	677,888	3,142,455		198,133,128	
RECEIPTS, INTERNAL.[3]						
Vegetable food products:						
Corn, canned		500	500	40,000	40,000	53
Nonmetallic minerals			692,286		1,026,228	
Coal	25,085			234,318		26
Gas oil	75			1,740		135
Sand and gravel	647,526			750,970		20
Stone riprap	19,600			39,200		28

[3] Internal commerce represents shipments between this section of the river and tributary waterways (except Schuylkill River, Pa.), and the section of the Delaware River "Allegheny Avenue, Philadelphia, Pa., to Trenton, N. J."

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DELAWARE RIVER, PHILADELPHIA, PA., TO THE SEA—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS, INTERNAL—continued.						*Miles.*
Ores, metals, and manufactures of			2,742		$93,496	
Iron, malleable		12		$3,480		30
Pipe and fixtures, iron	2,719			87,410		35
Wire rope		11		2,606		30
Machinery and vehicles: Boilers, marine		640	640	592,000	592,000	90
Unclassified: General merchandise		35,239	35,239	7,047,800	7,047,800	33
Total receipts, internal	695,005	36,402	731,407		8,799,524	
SHIPMENTS, INTERNAL.[2]						
Vegetable food products: Salt hay		605	605	11,985	11,985	43
Nonmetallic minerals			45,187		349,120	
Coal	34,252			247,251		25
Coke	1,154			7,836		135
Fuel oil		1,754		14,206		28
Petroleum, crude	1,863			35,357		53
Sand, molding	4,260			6,390		106
Sulphur	1,904			38,080		3
Ores, metals, and manufactures of			7,619		154,161	
Bauxite	1,402			22,432		3
Pig iron	2,511			43,062		17
Scrap iron	3,706			83,667		15
Chemicals: Soda, silicate of		50	50	1,538	1,538	40
Total shipments, internal	51,052	2,409	53,461		516,804	
Total receipts and shipments	746,057	38,811	784,868		9,316,328	
RECEIPTS, INTRAPORT.[3]						
Nonmetallic minerals			343,551		7,307,013	
Fuel oil	205,980			3,462,690		10
Gasoline	14,980			791,862		6
Gas oil	117,999			2,938,525		15
Oil distillate	4,592			113,930		17
Chemicals			14,773		384,278	
Acid, sulphuric		1,002		17,034		7
Creosote oil	13,771			367,244		10
Total receipts, intraport	357,322	1,002	358,324		7,691,291	
SHIPMENTS, INTRAPORT.[3]						
Vegetable food products: Oil, linseed		350	350	58,589	58,589	13
Nonmetallic minerals			1,220,806		12,902,533	
Coal	937,955			7,080,564		9
Coke	16,468			86,490		5
Gas oil	17,903			359,900		14
Oil tar	19,670			81,673		14
Petroleum, crude	223,683			5,199,905		16
Sulphur		5,127		93,941		9
Chemicals			56,715		851,928	
Acid, sulphuric		23,432		456,943		7
Coal tar	33,283			394,985		13
Total shipments, intraport	1,248,962	28,909	1,277,871		13,813,050	
Total receipts and shipments	1,606,284	29,911	1,636,195		21,504,341	

[2] Internal commerce represents shipments between this section of the river and tributary waterways (except Schuylkill River, Pa.), and the section of the Delaware River "Allegheny Avenue, Philadelphia, Pa., to Trenton, N. J."

[3] Intraport commerce represents shipments between the section of the Delaware River "Philadelphia, Pa., to the sea" and Schuylkill River, Pa.

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DELAWARE RIVER, PHILADELPHIA, PA., TO THE SEA—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
LOCAL.[4]						*Miles.*
Animals and animal products			6,634		$17,912,166	
Bones	562			$15,166		2
Butter		600		600,000		30
Cheese		50		30,000		30
Eggs		750		450,000		30
Fish		750		450,000		30
Goatskins		121		64,300		30
Leather		3,201		16,002,700		30
Live stock		600		300,000		30
Vegetable food products			17,274		1,656,541	
Canned goods		335		51,510		63
Corn		229		4,443		76
Flour		4,500		315,000		4
Fruit and produce		3,000		615,000		30
Grain		3,095		138,311		30
Sugar		4,000		465,000		23
Tomatoes		1,858		55,714		65
Wheat		257		11,563		100
Other vegetable products			2,262		149,310	
Dyewoods and extracts of		1,580		74,345		10
Naval stores		682		74,965		5
Textiles: Dry goods		2,300	2,300	1,380,000	1,380,000	
Wood and paper			3,151		82,073	
Barrels	36			10,500		15
Lumber	3,092			69,998		4
Roofing paper		23		1,575		100
Nonmetallic minerals			2,919,519		20,514,802	
Bricks		5,015		36,090		3
Chalk		3,000		4,500		4
Cinders (of no commercial value)	18,150					
Coal	2,465,615			17,487,358		5
Coke	72,336			401,283		2
Petroleum, gasoline, and other oils	100,631	9,315		1,820,016		22
Lime		3		63		12
Salt		25		188		15
Sand and gravel	221,031			304,975		30
Stone, broken	1,532			3,138		67
Sulphur		22,866		457,191		12
Ores, metals, and manufactures of			1,304		259,216	
Iron	551			33,060		5
Lead	7			63		17
Pipe and fittings	23			2,875		17
Steel manufactures		723		223,218		33
Machinery and vehicles: Machinery		3	3	2,258	2,258	24
Chemicals			139,355		5,292,961	
Acid, sulphuric		28,792		334,338		16
Acid, all other		11,440		194,480		15
Alum		20		1,000		4
Ammonia nitrate		6,920		624,800		16
Aniline		268		134,000		15
Chemicals and drugs		1,500		525,000		30
Cordite		183		366,000		15
Explosives, high		7		2,240		17
Fertilizer	39,838			792,375		18
Glycerin		2,177		569,260		15
Guncotton		10		10,000		15
Manure, stable	20,808			59,166		30
Paints and oils		26		5,200		17
Phosphate rock	6,000			30,000		14
Potash, caustic		100		8,500		35
Powder, smokeless		259		518,000		16
Soda, nitrate of		13,367		668,450		41
Soda products		7,640		450,152		25
Unclassified			431,878		119,602,799	
Carboys	21			3,470		15
Empty drums	257			36,278		15
General merchandise		406,049		115,441,000		9
Miscellaneous		25,551		4,122,051		15
Total local	2,950,490	573,190	3,523,680		166,852,126	

[4] Local commerce on this section represents freight movements confined to Philadelphia Harbor and shipments between various points along the Delaware River and Bay between Philadelphia, Pa., and the sea.

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DELAWARE RIVER, PHILADELPHIA, PA., TO THE SEA—continued.

Railroad car ferry and other across-river traffic on the Delaware River to and from Philadelphia and various other points on the river between Philadelphia and the sea.

Commodities.	Amounts in short tons.	Value.	Commodities.	Amounts in short tons.	Value.
Acid, sulphuric	470	$8,500	Marble dust	40	$1,600
Acid, other	674	11,740	Metallic sodium	212	110,387
Aniline oil	70	35,000	Miscellaneous	290	34,921
Ammonia liquor	1,855	95,700	Napthol	144	86,643
Anthracene	140	11,200	Nitrate ammonia	606	60,600
Bananas	4,717	94,280	Nitrate soda	22	1,400
Barium carbonate	28	2,500	Niter cake	183	3,500
Batteries	66	5,000	Nitroxylene	36	13,929
Benzene	30	2,430	Paper	20	3,200
Benzol	141	1,008	Paraffin	182	10,820
Bricks	95	576	Phenol	22	1,650
Brine coolers	20	1,300	Pig lead	12	1,165
Calcium chloride	50	150	Produce, fish and oysters	15,462	5,638,600
Caustic	250	15,000	Railroad ties and rails	181	6,120
Caustic soda	556	37,500	Salt	88	1,118
Caustic potash	67	7,850	Saltpeter	698	86,000
Coal	432,053	2,976,345	Scrap copper	130	3,000
Corn meal	71	2,700	Scrap iron and steel	3,069	34,417
Cottonseed hull	15	609	Scrap paper	27	150
Dyes and dyestuffs, mineral	279	223,082	Scrap pipe	157	3,155
Empty containers	692	69,782	Scrap tin	23	461
Explosives	8,731	3,114,772	Soda	324	12,000
Formaldehyde	115	6,892	Soda ash	433	2,675
General merchandise	1,580,133	490,969,667	Soda, cyanide	87	3,500
Glycerine	1,708	484,200	Soda sulphate	99	2,850
Hull shavings	366	15,000	Starch	61	4,500
Indigo	78	68,113	Steel tanks	141	2,850
Iron borings	436	8,725	Sulphate dioxide, liquid	20	3,500
Iron pipe	145	1,400	Sulphur	40	648
Liquid sulphur	82	13,878	Wax	182	12,150
Lumber	181	1,750	Zinc dust	205	12,000
Machinery	382	22,500	Total	2,057,892	504,468,658

CARGOES IN TRANSIT.

Asphalt	7,492	$162,004	Paraffin	9,553	$498,397
Black	1,148	67,273	Paving blocks	875	8,750
Cement	29	580	Petroleum, gasoline, and other oils	798,739	22,882,531
Coal	76,840	623,874	Pig iron	1,435	35,875
Coal tar	2,265	26,600	Roofing paper	2,178	80,201
Copper ore	1,772	470,888	Sand and gravel	1,162,063	870,421
Cordage	40	16,000	Soda ash	520	31,200
Corn	310	6,624	Soda, caustic	1,908	143,100
Empty containers	30	2,100	Spent acid	5,802	48,793
Fertilizer	2,575	51,716	Stone	26,039	27,461
Iron and steel manufactures	16,618	1,258,044	Tankage	1,312	10,556
Lumber	1,298	22,125	Wax	195	46,800
Machinery	169	54,925			
Manure, stable	1,300	2,500	Total	2,124,110	27,824,983
Miscellaneous	1,605	375,645			

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DELAWARE RIVER, PHILADELPHIA, PA., TO THE SEA—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	23,552	$6,982,711	18,642	$7,547,883	17,064	$17,487,465	6,634	$17,912,166	65,892	$49,930,225
Vegetable food products	917,500	57,967,592	1,413,748	73,229,188	110,762	21,005,835	18,729	1,767,115	2,460,739	153,969,730
Other vegetable products	50,154	11,314,214	15,942	5,328,809	34,541	4,864,255	2,262	149,310	102,899	22,156,588
Textiles	37,254	15,845,894	1,405	713,411	73,596	42,023,690	2,300	1,380,000	114,555	59,662,995
Wood and paper	120,484	7,439,033	13,714	700,044	255,464	5,206,494	3,151	82,073	392,813	13,427,644
Nonmetallic minerals	1,721,993	6,930,355	1,607,165	41,415,637	2,263,594	24,392,236	5,221,349	42,099,696	10,814,101	114,837,924
Ores, metals, and manufactures of	226,572	3,682,705	38,036	3,420,486	96,172	9,667,063	11,665	506,873	372,445	17,277,127
Machinery and vehicles	2,689	894,078	36,589	11,393,662	6,723	3,802,035	643	594,258	46,644	16,684,033
Chemicals	68,172	4,248,522	51,148	4,636,337	55,601	2,677,218	210,893	6,530,705	385,814	18,092,782
Unclassified	97,044	6,976,811	63,615	5,661,780	228,938	67,006,837	467,117	126,650,599	856,714	206,296,027
Total	3,265,414	122,281,915	3,260,004	154,247,237	3,142,455	198,133,128	5,944,743	197,672,795	15,612,616	672,335,075

	Short tons.	Value.
Car ferry and other across-river traffic	2,057,892	$504,468,658
Cargoes in transit	2,124,110	27,824,933

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DELAWARE RIVER, PHILADELPHIA, PA., TO THE SEA—continued.

Statement of passenger and vehicular ferry traffic, Delaware River, 1921.

	Number of passengers.	Number of vehicles.
Various ferries between Philadelphia, Pa., and Camden, N. J.	43,974,087	2,091,541
Between Wilmington, Del., and Penns Grove, N. J.	533,370	61,823
Total	44,507,457	2,153,364

Vessel classification, 1921.

	Arrived.		Departed.		Passengers.	
	Number.	Net tons.	Number.	Net tons.	Arrived.	Departed.
FOREIGN TRADE.						
American:						
Steam vessels	531	1,679,022	472	1,651,457		
Sailing vessels	29	20,537	25	16,610		
Barges	1	1,148				
Foreign:						
Steam vessels	892	2,377,508	900	2,936,644	25,565	8,793
Sailing vessels	25	20,165	22	18,610		
COASTWISE TRADE.						
American:						
Steam vessels	1,381	2,876,449	1,420	2,872,715	35,467	36,530
Sailing vessels	78	48,551	84	49,799		
Barges	1,226	889,025	1,197	867,015		
Internal, intraport, and local	Impracticable to obtain accurate statistics of the number and net tonnage of steam vessels, barges, lighters, scows, etc., operating internally, intraport, and locally on the Delaware River.				Number of passengers carried between Philadelphia and other points on the Delaware River, exclusive of across-river ferry traffic, 2,251,237.	

Vessels completed and under construction at principal shipyards along the Delaware River during the calendar year 1921.

	Completed during year.	Under construction.	Gross tons.	Approximate valuation.
Battleships		2	[1] 67,180	$33,220,600
Battle cruisers		3	[1] 131,969	81,381,400
Cruisers		5	[1] 35,500	35,000,000
Torpedo-boat destroyers	6		[1] 8,322	10,933,000
Other naval vessels		2	[1] 20,900	5,512,800
Passenger and cargo steamers	21	1	234,196	105,611,260
Tug boats		1	293	212,490
Yachts	4	5	630	360,000
Oil tankers	24	5	198,291	59,853,741
Barges and canal boats	7	2	2,100	120,000
Ferry boats		2	1,528	400,000
Scows		5	1,750	80,000
Other vessels	11	6		
Total	73	39	702,659	332,685,291

[1] Displacement in tons.

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DELAWARE RIVER, AT CAMDEN, N. J.

Included in report for Delaware River, Philadelphia, Pa., to the sea.

SCHUYLKILL RIVER, PA.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1917	4,827,092	$161,097,795	1920	5,073,239	$179,433,066
1918	3,963,811	130,121,455	1921	6,049,758	121,090,467
1919	4,782,443	173,571,219			

[Navigation season, river open for navigation throughout the year.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products: Bones, crude	115	115	$2,990	$2,990
Other vegetable products		1,287		103,163
Rosin	1,090		66,551	
Seeds	197		36,612	
Textiles		1,710		175,791
Jute	586		67,129	
Rags	994		22,862	
Wool	130		85,800	
Wood and paper: Wood pulp	4,218	4,218	316,874	316,874
Nonmetalic minerals		922,046		11,405,264
Emery ore	955		42,020	
Petroleum, fuel oil, etc	921,091		11,363,244	
Ores, metals, and manufactures of		59,433		504,540
Chrome ore	17,773		170,620	
Manganese ore	41,660		333,920	
Chemicals: Bone ash	1,546	1,546	30,920	30,920
Unclassified: General merchandise	1,294	1,294	691,303	691,303
Total imports		991,649		13,230,845
EXPORTS.				
Vegetable food products		646,549		29,022,546
Grain—				
Corn	223,198		8,035,124	
Rye	21,810		872,400	
Wheat[1]	400,608		20,030,062	
Apples	933		84,960	
Other vegetable products: Tobacco	1,775	1,775	946,360	946,360
Wood and paper: Lumber	191	191	7,831	7,831
Nonmetallic minerals: Petroleum products	518,649	518,649	22,946,541	22,946,541
Ores, metals, and manufactures of: Iron and steel manufactures	8,693	8,693	862,386	862,386
Machinery and vehicles: Engines and machinery	3,372	3,372	1,279,350	1,279,350
Unclassified: General merchandise	4,435	4,435	1,568,425	1,568,425
Total exports		1,183,664		56,633,439
Total imports and exports		2,175,313		69,864,284

[1] Includes 214,942 tons Canadian wheat shipped through the port of Philadelphia from Schuylkill River.

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SCHUYLKILL RIVER, PA.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.[1]
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS, COASTWISE.						*Miles.*
Nonmetallic minerals			744,046		$22,038,907	
Asphaltum		429		$6,838		2,000
Coal	837			5,022		250
Grease		841		265,390		2,000
Paving blocks	875			8,750		560
Petroleum, gasoline, and other oils	649,032	91,837		21,706,107		1,500
Wax		195		46,800		2,000
Ores, metals, and manufactures of:						
Copper ore	1,772		1,772	470,888	470,888	350
Machinery and vehicles: Machinery		2	2	650	650	2,000
Chemicals: Coal tar	2,265		2,265	26,600	26,600	114
Unclassified			692		136,320	
Miscellaneous		676		135,200		2,000
Empty containers		16		1,120		2,000
Total receipts, coastwise	654,781	93,996	748,777		22,673,365	
SHIPMENTS, COASTWISE.						
Textiles: Cordage		40	40	16,000	16,000	2,000
Wood and paper: Roofing paper		2,178	2,178	80,201	80,201	350
Nonmetallic minerals			15,370		256,018	
Cement		29		580		2,000
Coal	44			374		2,000
Fuel oil	1,050			19,946		220
Gas oil	12,724			190,058		540
Oil, lubricating		1,523		45,060		900
Ores, metals, and manufactures of:						
Iron and steel, manufactures		6,927	6,927	785,060	785,060	2,000
Machinery and vehicles: Machinery		167	167	54,275	54,275	2,000
Chemicals			11,108		296,366	
Black		1,148		67,273		2,000
Manure, stable	1,300			2,500		260
Soda ash		520		31,200		2,000
Soda, caustic		1,908		143,100		2,000
Petroleum distillate, spent acid	5,802			48,793		110
Tankage (fertilizer)	430			3,500		110
Unclassified			1,825		198,481	
Empty containers		14		980		2,000
Garbage tankage	882			7,056		110
Miscellaneous		929		190,445		2,000
Total shipments, coastwise	22,232	15,383	37,615		1,686,401	
Total receipts and shipments	677,013	109,379	786,392		24,359,766	
RECEIPTS, INTERNAL.[2]						
Nonmetallic minerals			1,087,371		1,039,919	
Asphalt		7,063		155,166		135
Sand and gravel	1,054,444			857,677		30
Stone	25,864			27,076		45
Total receipts, internal	1,080,308	7,063	1,087,371		1,039,919	
SHIPMENTS, INTERNAL.[2]						
Nonmetallic minerals			52,080		1,353,827	
Fuel oil	23,334			332,004		24
Gasoline	13,990			635,550		43
Gas oil	14,756			386,273		48
Chemicals: Creosote oil		832	832	22,205	22,205	
Total shipments, internal	52,080	832	52,912		1,376,032	
Total receipts and shipments	1,132,388	7,895	1,140,283		2,415,951	

[1] Represents average total miles hauled from point of origin to destination.
[2] Internal commerce represents shipments between Schuylkill River, Pa., and the section of the Delaware River "Allegheny Avenue, Philadelphia, Pa., to Trenton, N. J."

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SCHUYLKILL RIVER, PA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS, INTRAPORT.[3]						*Miles.*
Vegetable food products: Linseed oil	.....	350	350	$58,589	$58,589	.....
Nonmetallic minerals	.....	.....	1,220,806	.....	12,902,533	.....
Coal	937,955	.....	.....	7,080,564	.....	8
Coke	16,468	.....	.....	86,490	.....	5
Gas oil	17,903	.....	.....	359,900	.....	14
Oil tar	19,670	.....	.....	81,673	.....	15
Petroleum, crude	223,683	.....	.....	5,199,965	.....	16
Sulphur	.....	5,127	.....	93,941	.....	9
Chemicals	.....	.....	56,715	.....	851,928	
Acid, sulphuric	.....	23,432	.....	456,943	.....	7
Coal tar	33,283	.....	.....	394,985	.....	13
Total receipts, intraport	1,248,962	28,909	1,277,871	.....	13,813,050	.....
SHIPMENTS, INTRAPORT.[3]						
Nonmetallic minerals	.....	.....	343,551	.....	7,307,013	.....
Fuel oil	205,980	.....	.....	3,462,690	.....	10
Gasoline	14,980	.....	.....	791,862	.....	6
Gas oil	117,999	.....	.....	2,938,525	.....	15
Oil distillate	4,592	.....	.....	113,936	.....	17
Chemicals	.....	.....	14,773	.....	384,278	.....
Acid, sulphuric	.....	1,002	.....	17,034	.....	7
Creosote oil	13,771	.....	.....	367,244	.....	10
Total shipments, intraport	357,322	1,002	358,324	.....	7,691,291	.....
Total receipts and shipments	1,606,284	29,911	1,636,195	.....	21,504,341	.....
LOCAL.[4]						
Nonmetallic minerals	.....	.....	150,425	.....	2,946,125	.....
Flux oil	24,520	.....	.....	250,000	.....	2
Fuel oil	101,695	.....	.....	1,285,079	.....	2
Gas oil	686	.....	.....	13,954	.....	2
Gasoline	23,524	.....	.....	1,397,092	.....	4
Unclassified	.....	.....	161,150	.....	.....	.....
Cinders (of no commercial value)	68,150	.....	.....	.....	.....	.....
Garbage (of no commercial value)	93,000	.....	.....	.....	.....	4
Total local	311,575	.....	311,575	.....	2,946,125	.....

[3] Intraport commerce represents shipments between Schuylkill River, Pa., and the section of the Delaware River "Philadelphia, Pa., to the sea."

[4] Local commerce represents shipments to and from points wholly within the Schuylkill River.

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SCHUYLKILL RIVER, PA.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	115	$2,990							115	$2,990
Vegetable food products			646,549	$29,022,546					646,899	29,081,135
Other vegetable products	1,287	103,163	1,775	946,360					3,062	1,049,523
Textiles	1,710	175,791			40	$16,000			1,750	191,791
Wood and paper	4,218	316,874	191	7,831	2,178	80,201			6,587	404,906
Nonmetallic minerals	922,046	11,405,264	518,649	22,946,541	759,416	22,294,925	2,854,233	$25,549,417	5,054,344	82,196,147
Ores, metals, and manufactures of	59,433	504,540	8,693	862,386	8,699	1,255,948			76,825	2,622,874
Machinery and vehicles			3,372	1,279,350	169	54,925			3,541	1,334,275
Chemicals	1,546	30,920			13,373	322,966	72,320	1,258,411	87,239	1,612,297
Unclassified	1,294	691,303	4,435	1,568,425	2,517	334,801	161,150		169,396	2,594,529
Total	991,649	13,230,845	1,183,664	56,633,439	786,392	24,359,766	3,088,053	26,866,417	6,049,758	121,090,467

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ICE HARBOR AT MARCUS HOOK, PA.

Comparative statement of traffic.

Year.	Tons.	Value.
1919	6,848	$2,739,200
1920	7,760	2,323,070
1921	6,841	1,415,855

[Navigation season, open throughout the year.]

Freight traffic, 1921.

Articles.	Short tons.	Value.	Articles.	Short tons.	Value.
RECEIPTS.			RECEIPTS—continued.		
Acids and chemicals	15	$2,400	Sugar, refined	5	$580
Agricultural implements	5	2,500	Total receipts	2,895	393,305
Baskets, barrels, and crates	400	40,000	SHIPMENTS.		
Building material	20	1,400	Acids and chemicals	170	27,200
Flour	50	3,500	Baskets, barrels, and crates	25	2,500
Furniture	10	3,200	General merchandise	520	197,600
General merchandise	380	144,400	Miscellaneous	731	182,750
Groceries and foodstuffs	125	30,000	Paints and oils	2,500	612,500
Hardware	10	3,500	Total shipments	3,946	1,022,550
Iron and steel	500	40,000	Total receipts and shipments	6,841	1,415,855
Iron and steel, manufactured	100	12,000			
Iron pipe	1,150	86,250			
Lumber	20	600			
Machinery	40	6,800			
Miscellaneous	50	12,500			
Paints and oils	15	3,675			

Commercial movements at Marcus Hook represent commodities handled over the Government pier by a regular steamship line plying on the Delaware River between Philadelphia, Pa., and Wilmington, Del.

CONSTRUCTING ICE PIER IN DELAWARE BAY, NEAR LEWES, DEL.

No statistics for 1921.

HARBOR OF REFUGE, DELAWARE BAY, DEL.

STATISTICS FOR THE CALENDAR YEAR 1921.

Arrivals at the Delaware Breakwater during calendar year 1921.

	Steamers.	Sailing vessels.	Barges.	Total.
For orders	4	2	2	8
For harbor	33	49	360	442
In distress	3	1	2	6
Total	40	52	364	456

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WILMINGTON, DEL., DISTRICT.

COOPER RIVER, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1891	174,870	$1,745,133	1910	260,934	$2,131,681
1896	201,596	2,916,009	1911	267,244	3,221,212
1897	212,437	2,468,145	1912	359,449	4,224,893
1898	230,615	2,744,717	1913	299,061	3,699,277
1899	225,783	2,642,155	1914	291,305	3,386,415
1900	230,138	2,733,523	1915	237,099	3,415,845
1902	726,888	3,707,048	1916	356,736	5,207,380
1903	414,838	3,820,974	1917	344,200	6,271,145
1906	246,539	2,165,412	1918	324,478	7,294,549
1907	346,611	1,632,210	1919	136,088	2,390,956
1908	221,205	1,807,633	1920	388,188	2,966,212
1909	244,222	2,073,189	1921	88,342	1,372,900

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products: Skins (sheep)		621	621	$186,566	$186,566
Vegetable food products: Corn	345		345	8,615	8,615
Other vegetable products: Logwood	1,720		1,720	41,321	41,321
Nonmetallic minerals			81,126		997,505
Bricks	5,301			47,120	
Coal (bituminous)	14,928			82,518	
Gasoline and oils	14,680			801,914	
Sand and gravel	44,873			44,355	
Sulphur	1,344			21,598	
Machinery and vehicles: Machinery		35	35	7,500	7,500
Chemicals			4,112		86,752
Chemicals (raw materials)	3,363			84,324	
Manure	749			2,428	
Total	87,303	656	87,959		1,328,259
SHIPMENTS, INTERNAL.					
Textiles: Wool (raw)		50	50	35,000	35,000
Chemicals: Chemicals		333	333	9,641	9,641
Total		383	383		44,641
Total receipts and shipments	87,303	1,039	88,342		1,372,900

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	621	$186,566			621	$186,566
Vegetable food products	345	8,615			345	8,615
Other vegetable products	1,720	41,321			1,720	41,321
Textiles			50	$35,000	50	35,000
Nonmetallic minerals	81,126	997,505			81,126	997,505
Machinery and vehicles	35	7,500			35	7,500
Chemicals	4,112	86,752	333	9,641	4,445	96,393
Total	87,959	1,328,259	383	44,641	88,342	1,372,900

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COOPER RIVER, N. J.—continued.

Vessel classification, 1921.

Classes.	Arriving.	Departing.
Steam	1,010	1,010
Sailing	7	7
Schooners (oyster)	3	3
Barges and lighters	1,190	1,190
Total	2,210	2,210

WOODBURY CREEK, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1914	11,270	$38,390	1919	7,283	$53,692
1916	7,805	45,365	1920	15,924	62,146
1918	3,110	21,570	1921	33,483	47,523

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products: Oysters	24		24	$1,009	$1,009
Vegetable food products: Corn (cob)	161		161	2,530	2,530
Wood and paper: Logs	1,260		1,260	3,000	3,000
Nonmetallic minerals			32,018		32,984
Bricks	123			1,155	
Coal	1,770			24,048	
Dirt (filling)	30,000			7,500	
Sand	125			281	
Machinery and vehicles: Dredging machinery		20	20	8,000	8,000
Total	33,463	20	33,483		47,523

SUMMARY.

Classes of commodities.	Receipts.	
	Tons.	Value.
Animals and animal products	24	$1,009
Vegetable food products	161	2,530
Wood and paper	1,260	3,000
Nonmetallic minerals	32,018	32,984
Machinery and vehicles	20	8,000
Total	33,483	47,523

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WOODBURY CREEK, N. J.—continued.

Vessel classification, 1921.

Classes.	Number.	Aggregate tonnage.
Gas tugs	6	210
Barges	14	1,400
Schooners (oyster)	2	100
Scows (dump)	8	2,080
Total	30	3,790

MANTUA CREEK, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1898	147,584	$2,490,780	1912	202,559	$2,246,327
1899	165,650	2,553,850	1913	187,780	2,912,930
1900	188,957	3,296,470	1914	113,518	1,541,970
1901	202,703	3,466,830	1915	145,352	1,731,320
1902	200,000	[1] 3,000,000	1917	60,902	1,270,465
1903	136,105	1,638,790	1918	133,743	1,401,328
1906	240,220	984,700	1919	184,967	793,463
1908	35,250	[2] 214,225	1920	91,596	1,621,464
1909	125,605	1,025,525	1921	120,402	1,075,407
1911	170,444	2,149,470			

[1] About. [2] Partial.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL.					
Vegetable food products: Corn	364		364	$7,885	$7,885
Other vegetable products: Hay, salt	200		200	2,400	2,400
Nonmetallic minerals			16,149		209,758
Cinders	2,800			2,450	
Coal	4,701			49,652	
Sulphur	8,648			157,656	
Chemicals			28,531		315,353
Fertilizer materials	7,906			49,880	
Fish scrap	1,506			52,135	
Muriate of potash	1,167			39,511	
Nitrate of soda	641			35,452	
Phosphate rock	16,323			128,835	
Strontianite	600			6,648	
Sulphuric acid	388			2,892	
Total	45,244		45,244		535,396
SHIPMENTS, INTERNAL.					
Vegetable food products			2,275		46,640
Produce (farm)		1,075		36,640	
Tomatoes		1,200		10,000	
Nonmetallic minerals			48,436		32,723
Gravel	4,978			4,729	
Sand	43,458			27,994	
Chemicals			24,447		460,648
Acids		17,756		301,850	
Fertilizer		5,153		130,915	
Fertilizer material	1,538			27,883	
Total	49,974	25,184	75,158		540,011
Total receipts and shipments	95,218	25,184	120,402		1,075,407

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MANTUA CREEK, N. J.—continued.

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products	564	$7,885	2,275	$46,640	2,639	$54,525
Other vegetable products	200	2,400			200	2,400
Nonmetallic minerals	16,149	209,758	48,436	32,723	64,585	242,481
Chemicals	28,531	315,353	24,447	460,648	52,978	776,001
Total	45,244	535,396	75,158	540,011	120,402	1,075,407

Vessel classification, 1921.

Classes.	Number.	Aggregate tonnage.
Gas boats	5	200
Steam tugs	15	1,125
Barges and lighters	22	7,700
Schooners (oyster)	2	80
Total	44	9,105

RACCOON CREEK, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1898	172,840	$1,274,950	1913	89,075	$1,158,170
1902	264,100	932,900	1914	23,543	350,907
1903	244,803	2,651,020	1915	89,638	844,290
1904	252,389	3,300,000	1916	(1)	(1)
1905	263,317	2,148,600	1917	37,085	307,179
1906	188,864	1,995,890	1918	41,361	842,958
1907	78,478	744,750	1919	40,700	862,972
1908	92,268	879,150	1920	19,880	341,242
1909	58,107	719,750	1921	21,511	314,556
1912	92,688	1,163,700			

[1] No statistics available.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL.					
Vegetable food products			265		$4,565
Corn	190			$3,495	
Tomatoes		75		1,070	
Other vegetable products: Hay (salt)	500		500	6,000	6,000
Wood and paper: Baskets (empty)		352	352	16,459	16,459
Nonmetallic minerals			5,930		61,200
Bricks		30		200	
Coal	5,000			60,000	
Cinders	900			1,000	

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RACCOON CREEK, N. J.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL—continued.					
Ores, metals, and manufactures of, except machinery and vehicles: Slag (granulated)	1,478		1,478	$2,785	$2,785
Chemicals			6,424		25,321
Manure	6,344			21,321	
King crab meal	80			4,000	
Total	14,492	457	14,949		116,330
SHIPMENTS, INTERNAL.					
Vegetable food products			6,562		198,226
Farm produce		2,528		123,196	
Tomatoes		3,919		64,030	
Tomato pulp		115		11,000	
Total		6,562	6,562		198,226
Total receipts and shipments	14,492	7,019	21,511		314,556

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products	265	$4,565	6,562	$198,226	6,827	$202,791
Other vegetable products	500	6,000			500	6,000
Wood and paper	352	16,459			352	16,459
Nonmetallic minerals	5,930	61,200			5,930	61,200
Ores, metals, and manufactures of	1,478	2,785			1,478	2,785
Chemicals	6,424	25,321			6,424	25,321
Total	14,949	116,330	6,562	198,226	21,511	314,556

Vessel classification, 1921.

Classes.	Number.	Aggregate tonnage.
Gas boats	24	1,920
Barges and lighters	4	400
Tugs (steam)	3	225
Schooners (oyster)	5	500
Total	36	3,045

OLDMANS CREEK, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1913	88,412	$812,900	1918	19,025	$269,051
1914	25,659	250,167	1919	15,327	104,965
1915	60,438	423,875	1920	10,648	79,967
1917	11,981	180,000	1921	10,791	91,558

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OLDMANS CREEK, N. J.—continued.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL.					
Vegetable food products			543		$15,494
Corn	357			$7,412	
Hay		20		460	
Wheat	166			7,622	
Other vegetable products: Hay (salt)	132		132	1,950	1,950
Wood and paper: Baskets (empty)		239	239	12,748	12,748
Nonmetallic minerals: Coal	500		500	5,060	5,060
Ores, metals, and manufactures of: Slag (iron)	750		750	847	847
Chemicals			5,971		18,779
Fertilizer		56		2,240	
Manure	5,915			16,539	
Total	7,820	315	8,135		54,878
SHIPMENTS, INTERNAL.					
Vegetable food products: Tomatoes		2,656	2,656	36,680	36,680
Total		2,656	2,656		36,680
Total receipts and shipments	7,820	2,971	10,791		91,558

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products	543	$15,494	2,656	$36,680	3,199	$52,174
Other vegetable products	132	1,950			132	1,950
Wood and paper	239	12,748			239	12,748
Nonmetallic minerals	500	5,060			500	5,060
Ores, metals, and manufactures of	750	847			750	847
Chemicals	5,971	18,779			5,971	18,779
Total	8,135	54,878	2,656	36,680	10,791	91,558

Vessel classification, 1921.

Classes.	Number.	Aggregate tonnage.
Steamers	1	90
Gas boats	8	640
Tug	1	75
Barges and lighters	5	500
Schooners (oyster)	3	120
Total	18	1,425

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SALEM RIVER, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1908	121,658	$3,063,051	1915	73,980	$1,829,608
1909	149,204	6,013,750	1916	89,690	2,951,154
1910	171,184	6,915,805	1917	83,275	3,020,910
1911	144,545	10,973,960	1918	25,422	1,158,499
1912	173,864	7,014,164	1919	5,187	639,619
1913	163,522	4,834,290	1920	5,220	404,588
1914	25,537	728,102	1921	9,116	167,165

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount on short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL.					
Other vegetable products: Hay (salt)	58		58	$812	$812
Nonmetallic minerals			6,138		81,840
Cinders	400			440	
Coal	138			1,400	
Fuel oil	5,600			80,000	
Chemicals: Fertilizer		245	245	8,425	8,425
Total	6,196	245	6,441		91,077
SHIPMENTS, INTERNAL.					
Animals and animal products: Fish		125	125	37,500	37,500
Vegetable food products			1,811		38,440
Tomatoes		1,737		34,740	
Wheat		74		3,700	
Nonmetallic minerals: Soil	739		739	148	148
Total	739	1,936	2,675		76,088
Total receipts and shipments	6,935	2,181	9,116		167,165

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			125	$37,500	125	$37,500
Vegetable food products			1,811	38,440	1,811	38,440
Other vegetable products	58	$812			58	812
Nonmetallic minerals	6,138	81,840	739	148	6,877	81,988
Chemicals	245	8,425			245	8,425
Total	6,441	91,077	2,675	76,088	9,116	167,165

Vessel classification, 1921.

Classes.	Number.	Aggregate tonnage.
Gas boats	3	240
Schooners (oyster)	3	120
Barges and lighters	4	400
Tugs (steam)	2	160
Total	12	920

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ALLOWAY CREEK, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1893	35,020	$1,039,800	1908	18,490	$658,125
1894	40,350	1,061,600	1909	17,565	611,500
1895	43,000	950,200	1910	25,825	385,080
1896	42,075	935,850	1911	17,149	482,950
1897	41,575	892,800	1912	17,062	464,100
1898	49,075	766,500	1913	34,342	1,105,483
1899	58,025	1,007,400	1914	8,314	140,181
1900	60,725	1,095,400	1915	19,343	939,015
1901	63,625	1,357,500	1916	22,925	1,078,324
1902	54,081	1,153,875	1917	2,634	209,829
1904	60,350	1,093,200	1918	11,089	909,836
1905	60,150	1,206,500	1919	11,253	757,414
1906	57,903	1,162,750	1920	8,643	521,083
1907	66,515	1,040,000	1921	12,309	488,821

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products			210		$78,571
Fish	50			$20,000	
Muskrats	30			30,000	
Oysters	30			1,071	
Provisions		100		27,500	
Vegetable food products: Feed		1,200	1,200	36,000	36,000
Nonmetallic minerals			1,800		10,350
Cinders	1,000			1,500	
Coal	800			8,850	
Ores, metals, and manufactures of: Tin cans		510	510	60,000	60,000
Chemicals: Fertilizers		1,200	1,200	54,000	54,000
Total	1,910	3,010	4,920		238,921
SHIPMENTS, INTERNAL.					
Animals and animal products: Provisions		65	65	20,000	20,000
Vegetable food products			4,267		209,200
Tomatoes		867		18,200	
Tomatoes, canned		3,100		180,000	
Wheat	300			11,000	
Other vegetable products: Hay (salt)	700		700	84,000	84,000
Nonmetallic minerals			2,197		10,700
Earth fill	2,100			4,200	
Gasoline		97		6,500	
Unclassified: Ice	160		160	1,600	1,600
Total	3,260	4,129	7,389		249,900
Total receipts and shipments	5,170	7,139	12,309		488,821

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	210	$78,571	65	$20,000	275	$98,571
Vegetable food products	1,200	36,000	4,267	209,200	5,467	245,200
Other vegetable products			700	8,400	700	8,400
Nonmetallic minerals	1,800	10,350	2,197	10,700	3,997	21,050
Ores, metals, and manufactures of	510	60,000			510	60,000
Chemicals	1,200	54,000			1,200	54,000
Unclassified			160	1,600	160	1,600
Total	4,920	238,921	7,389	249,900	12,309	488,821

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ALLOWAY CREEK, N. J.—continued.

Vessel classification, 1921.

Classes.	Number.	Aggregate tonnage.
Gas boats	7	420
Barges and lighters	2	200
Schooners (oyster)	1	40
Total	10	660

COHANSEY RIVER, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1908	51,817	$371,600	1917	13,287	$620,236
1910	107,390	501,440	1918	66,751	1,760,730
1912	186,960	3,799,924	1919	31,349	1,004,514
1913	50,186	605,190	1920	32,546	1,130,191
1914	33,426	427,425	1921	25,536	787,345
1915	63,802	898,472			

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products			15,164		$444,935
Clams		1,000		$40,000	
Fish (shad)		7		4,500	
Oysters	13,797			399,715	
Oyster shells	360			720	
Vegetable food products: Tomatoes		171	171	4,823	4,823
Other vegetable products: Hay (salt)	330		330	3,330	3,330
Wood and paper: Lumber (sawed)	175		175	9,000	9,000
Nonmetallic minerals			192		2,843
Coal	87			1,218	
Lime	105			1,625	
Chemicals: Fertilizer		1,301	1,301	40,280	40,280
Total	14,854	2,479	17,333		505,211
SHIPMENTS, INTERNAL.					
Vegetable food products			7,086		184,103
Corn (shelled)	252			5,580	
Tomatoes		6,294		158,363	
Wheat	540			20,160	
Nonmetallic minerals: Gasoline	202		202	15,000	15,000
Ores, metals, and manufactures of: Tin cans		54	54	6,201	6,201
Chemicals: Fertilizer		11	11	330	330
Unclassified: Miscellaneous		850	850	76,500	76,500
Total	994	7,209	8,203		282,134
Total receipts and shipments	15,848	9,688	25,536		787,345

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COHANSEY RIVER, N. J.—continued.

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	15,164	$444,935			15,164	$444,935
Vegetable food products	171	4,823	7,086	$184,103	7,257	188,926
Other vegetable products	330	3,330			330	3,330
Wood and paper	175	9,000			175	9,000
Nonmetallic minerals	192	2,843	202	15,000	394	17,843
Ores, metals, and manufactures of			54	6,201	54	6,201
Chemicals	1,301	40,280	11	330	1,312	40,610
Unclassified			850	76,500	850	76,500
Total	17,333	505,211	8,203	282,134	25,536	787,345

Vessel classification, 1921.

Classes.	Number.	Aggregate tonnage.
Gas boats	6	420
Tugs (steam)	2	300
Barges and lighters	2	200
Schooners (oyster)	30	1,200
Total	40	2,120

MAURICE RIVER, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1912	391,346	$2,235,344	1917	293,770	$2,730,611
1913	526,448	2,356,676	1918	201,228	2,798,942
1914	193,507	1,921,029	1919	154,521	2,413,401
1915	195,160	1,519,598	1920	224,538	3,227,461
1916	285,697	2,167,039	1921	122,445	2,461,046

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products			59,780		$2,068,045
Fish		2		$400	
Oysters and clams	59,033			2,066,155	
Oyster shells	745			1,490	
Vegetable food products: Corn	92		92	2,370	2,370
Nonmetallic minerals: Coal	2,700		2,700	21,900	21,900
Total	62,570	2	62,572		2,092,315
SHIPMENTS, INTERNAL.					
Animal and animal products: Oysters	296		296	8,880	8,880
Vegetable food products: Tomatoes		833	833	12,000	12,000
Other vegetable products: Hay (salt)	798		798	10,184	10,184
Nonmetallic minerals			56,346		161,667
Sand and gravel	55,346			87,667	
Gasoline	1,000			74,000	
Unclassified: Miscellaneous		1,600	1,600	176,000	176,000
Total	57,440	2,433	59,873		368,731
Total receipts and shipments	120,010	2,435	122,445		2,461,046

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MAURICE RIVER, N. J.—continued.

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	59,780	$2,068,045	296	$8,880	60,076	$2,076,925
Vegetable food products	92	2,370	833	12,000	925	14,370
Other vegetable products			798	10,184	798	10,184
Nonmetallic minerals	2,700	21,900	56,346	161,667	59,046	183,567
Unclassified			1,600	176,000	1,600	176,000
Total	62,572	2,092,315	59,873	368,731	122,445	2,461,046

Vessel classification, 1921.

Classes	Number.	Aggregate tonnage.
Tugs (steam)	8	760
Steamers	5	1,740
Gas boats	2	160
Barges	18	7,200
Schooners (oyster)	310	9,300
Total	343	19,160

COLD SPRING INLET, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1913	5,516	$82,276	1918	(1)	(1)
1914	6,193	103,948	1919	(1)	(1)
1916	14,956	1,815,451	1920	(1)	(1)
1917	2,364	316,295	1921	6,936	$540,210

[1] Impracticable to obtain statistics.

[Navigation season, Jan. 1 to Dec. 21, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products			5,500		$520,000
Clams	300			$22,500	
Fish (food)	2,400			480,000	
Fish (menhaden)	2,800			17,500	
Total	5,500		5,500		520,000
SHIPMENTS, COASTWISE.					
Nonmetallic minerals			226		10,930
Coal	100			850	
Gasoline and oils		126		10,080	
Unclassified: Ice	1,210		1,210	9,280	9,280
Total	1,310	126	1,436		20,210
Total receipts and shipments	6,810	126	6,936		540,210

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COLD SPRING INLET, N. J.—continued.

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	5,500	$520,000			5,500	$520,000
Nonmetallic minerals			226	$10,930	226	10,930
Unclassified			1,210	9,280	1,210	9,280
Total	5,500	520,000	1,436	20,210	6,936	540,210

Vessel classification, 1921.

Classes.	Number.	Aggregate tonnage.
Steamers	12	2,400
Gas boats	[1] 325	3,575
Schooners (auxiliary)	110	3,300
Tugs	4	480
Mine sweepers	2	1,900
Total	453	11,655

[1] Including about 50 boats used to carry parties to the fishing banks. About 20,000 passengers were carried during the season.

ABSECON INLET, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1914	13,414	$543,328	1918	11,670	$1,036,600
1915	5,237	3,025,105	1919	3,743	494,984
1916	27,543	1,783,315	1920	3,605	414,387
1917	30,499	1,850,800	1921	5,639	534,844

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products			2,904		$380,644
Fish	1,353			$336,644	
Oysters	1,551			43,400	
Nonmetallic minerals			2,385		152,000
Gasoline and oils	2,250			150,000	
Salt		135		2,000	
Unclassified: Ice	350		350	2,800	2,800
Total	5,504	135	5,639		534,844

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ABSECON INLET, N. J.—continued.

SUMMARY.

Classes of commodities.	Receipts.	
	Tons.	Value.
Animals and animal products	2,904	$380,044
Nonmetallic minerals	2,385	152,000
Unclassified	350	2,800
Total	5,639	534,844

Vessel classification, 1921.

Classes.	Number.	Aggregate tonnage.
Steamers	3	550
Schooners (oyster)	19	1,140
Sloops (power)	[1] 42	600
Yachts (power)	([2])	([2])
Total	64	2,290

[1] There is an association of boatmen, having control of these boats, operating for business. These carried approximately 158,000 passengers during 1921 to the Atlantic Ocean and return.

[2] Not reported. There are about 1,000 private yachts from 3 to 300 tons which use Absecon Inlet for a harbor and refuge continuously during the year. There is also a fleet of mackerel fishing boats from New England, averaging 15 tons per boat, which use Absecon Inlet for a harbor and source of supplies for about 4 months during the year.

ABSECON CREEK, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1912	26,265	$98,275	1917	13,786	$258,716
1913	29,540	105,660	1918	8,952	245,985
1914	5,500	210,825	1919	8,950	234,900
1915	3,699	115,010	1920	8,837	274,512
1916	11,601	239,985	1921	9,100	267,175

[Navigation season, Jan 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products			3,740		$234,950
Clams	1,720			$120,400	
Fish	10			4,000	
Oysters	2,010			110,550	
Chemicals: Bay cabbage	4,580		4,580	11,450	11,450
Unclassified: Miscellaneous		45	45	9,000	9,000
Total	8,320	45	8,365		255,400
SHIPMENTS, INTERNAL.					
Animals and animal products: Oyster shells	625		625	1,875	1,875
Nonmetallic minerals: Gasoline and oils		110	110	9,900	9,900
Total	625	110	735		11,775
Total receipts and shipments	8,945	155	9,100		267,175

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ABSECON CREEK, N. J.—continued.

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	3,740	$234,950	625	$1,875	4,365	$236,825
Nonmetallic minerals			110	9,900	110	9,900
Chemicals	4,580	11,450			4,580	11,450
Unclassified	45	9,000			45	9,000
Total	8,365	255,400	735	11,775	9,100	267,175

Vessel classification, 1921.

Classes.	Number.	Aggregate tonnage.
Schooners (oyster)	8	225
Gas boats	21	90
Barges	5	20
Total	34	335

TUCKERTON CREEK, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1902	14,297	$444,800	1911	13,975	$799,600
1903	15,798	529,312	1913	16,755	472,400
1904	17,330	564,880	1914	8,818	389,125
1905	15,417	674,387	1915	21,997	901,929
1906	3,230	917,585	1916	26,017	1,038,934
1907	4,185	1,310,945	1918	5,456	389,720
1908	26,609	1,192,898	1919	5,014	322,375
1909	27,209	1,352,898	1920	10,721	437,252
1910	33,275	1,651,270	1921	10,551	436,730

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products			3,624		$252,810
Clams	1,162			$98,770	
Fish	250			50,000	
Fish oil		50		6,750	
Oysters	2,162			97,290	
Other vegetable products: Hay (salt)	150		150	1,800	1,800
Chemicals: Fish scrap	800		800	32,000	32,000
Unclassified: Miscellaneous		550	550	6,600	6,600
Total	4,524	600	5,124		293,210

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TUCKERTON CREEK, N. J.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS, INTERNAL.					
Animals and animal products: Oyster shells	4,000		4,000	$20,000	$20,000
Textiles: Bags		20	20	2,500	2,500
Wood and paper			510		17,850
Barrels	100			7,600	
Lumber	410			10,250	
Nonmetallic minerals			650		42,950
Carboys		125		18,750	
Coal	300			2,700	
Gasoline and oil		225		21,500	
Unclassified			247		60,220
Groceries		95		29,500	
Ice	110			1,320	
Marine supplies		42		29,400	
Total	4,920	507	5,427		143,520
Total receipts and shipments	9,444	1,107	10,551		436,730

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	3,624	$252,810	4,000	$20,000	7,624	$272,810
Other vegetable products	150	1,800			150	1,800
Textiles			20	2,500	20	2,500
Wood and paper			510	17,850	510	17,850
Nonmetallic minerals			650	42,950	650	42,950
Chemicals	800	32,000			800	32,000
Unclassified	550	6,600	247	60,220	797	66,820
Total	5,124	293,210	5,427	143,520	10,551	436,730

Vessel classification, 1921.

Classes.	Number.	Aggregate tonnage.
Schooners (oyster)	4	120
Gasoline boats	35	250
Steamers	5	1,500
Boats (oyster)	125	250
Barges	3	180
Total	172	2,300

In addition to the above there are a number of motor boats coming and going over these waters during the year. Fishing boats carried about 10,000 passengers to and from the fishing banks.

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TOMS RIVER, N. J.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers carried.	Year.	Tons.	Value.	Passengers carried.
1914	98	$2,714	(1)	1918	1,980	$202,150	22,800
1915	4,997	30,750	(1)	1919	1,856	190,885	22,135
1916	2,732	168,500	12,500	1920	1,318	191,840	25,678
1917	(1)	(1)	(1)	1921	1,266	186,970	24,521

[1] No statistics available.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products			119		$8,130
Clams	50			$3,250	
Fish	5			2,000	
Oysters	64			2,880	
Total	119		119		8,130
SHIPMENTS, INTERNAL.					
Animals and animal products: Provisions		248	248	99,200	99,200
Wood and paper: Ship timber	12		12	1,440	1,440
Nonmetallic minerals			830		43,300
Building materials	320	320		12,000	
Coal	60			900	
Gasoline and oils		130		10,400	
Unclassified			57		34,900
Marine supplies		32		22,400	
Miscellaneous		25		12,500	
Total	392	755	1,147		178,840
Total receipts and shipments	511	755	1,266		186,970

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	119	$8,130	248	$99,200	367	$107,330
Wood and paper			12	1,440	12	1,440
Nonmetallic minerals			830	43,300	830	43,300
Unclassified			57	34,900	57	34,900
Total	119	8,130	1,147	178,840	1,266	186,970

Vessel classification, 1921.

Class.	Number.	Aggregate tonnage.
Gasoline boats	253	1,045

The above boats operate continuously during the summer months, carrying freight and passengers to and from points on Toms River, N. J., and seashore resorts in the vicinity.. The number of passengers carried during 1921 was about 24,521.

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CHESTER RIVER, PA.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1914	(1)	(1)	1918	11,824	$266,161
1915	(1)	(1)	1919	100,738	776,947
1916	119,088	$690,421	1920	20,178	283,177
1917	(1)	(1)	1921	9,673	191,269

[1] No statistics available.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL.					
Vegetable food products: Farm produce		2,458	2,458	$118,696	$118,696
Nonmetallic minerals: Coal	6,260		6,260	60,583	60,583
Total	6,260	2,458	8,718		179,279
SHIPMENTS, INTERNAL.					
Animals and animal products: Oyster shells	634		634	1,542	1,542
Wood and paper: Baskets		221	221	10,323	10,323
Nonmetallic minerals: Cinders	100		100	125	125
Total	734	221	955		11,990
Total receipts and shipments	6,994	2,679	9,673		191,269

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			634	$1,542	634	$1,542
Vegetable food products	2,458	$118,696			2,458	118,696
Wood and papers			221	10,323	221	10,323
Nonmetallic minerals	6,260	60,583	100	125	6,360	60,708
Total	8,718	179,279	955	11,990	9,673	191,269

Vessel classification, 1921.

Classes.	Number.	Aggregate tonnage.
Gas boats	24	720
Tugs (steam)	4	250
Barges and lighters	5	320
Total	33	1,290

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WILMINGTON HARBOR, DEL.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1894	954,854	$31,358,765	1908	738,403	$61,026,414
1895	804,437	29,939,738	1909	815,245	64,707,575
1896	835,175	30,427,750	1910	886,974	71,278,878
1897	862,663	30,427,579	1911	859,736	68,674,051
1898	910,255	31,840,175	1912	778,605	69,965,131
1899	959,000	32,093,297	1913	473,382	48,270,363
1900	1,056,899	36,899,114	1914	363,199	63,396,957
1901	753,212	30,401,610	1915	398,713	93,695,495
1902	1,133,510	39,577,955	1916	508,221	173,317,399
1903	841,606	36,068,746	1917	414,987	134,863,705
1904	680,263	31,343,099	1918	532,225	169,078,945
1905	752,809	58,785,777	1919	523,473	242,107,391
1906	1,016,696	64,511,617	1920	663,462	244,183,872
1907	793,887	66,869,037	1921	463,408	222,800,144

Passengers carried, 3,341,041 in 1918, 336,690 in 1919, 2,042,537 in 1920, and 1,799,586 in 1921.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL.					
Animal and animal products			2,500		$2,630,000
Butter and cheese		650		$630,000	
Eggs		250		150,000	
Fish	750			450,000	
Horses		350		150,000	
Skins and hides		500		1,250,000	
Vegetable food products			8,431		1,221,720
Flour and meal		931		111,720	
Fruits and vegetables		3,000		600,000	
Sugar		4,500		510,000	
Other vegetable products: Rubber		11	11	2,449	2,449
Textiles			3,380		15,403,959
Bags		1,532		66,741	
Dry goods		1,848		15,337,218	
Wood and paper			46,175		2,235,687
Barrels (special)		16,511		1,454,462	
Baskets and crates (special)		293		109,105	
Furniture		120		292,800	
Lumber		1,138		197,500	
Paper		16		6,211	
Pulp wood	28,097			175,609	
Nonmetallic minerals			146,201		1,866,512
Coal	29,620			171,349	
Glass (laboratory equipment)		48		116,204	
Gasoline and refined oils	14,264			1,114,251	
Oils, crude and fuel	31,560			378,146	
Sand and gravel	70,709			86,562	
Ores, metals and manufactures of			30,305		891,908
Drums (special)		456		136,800	
Hardware		950		337,128	
Minerals and ores	28,697			409,596	
Rails and frogs		202		8,484	
Machinery and vehicles			41,934		74,333,359
Automobiles		41,215		74,187,600	
Machinery		719		145,759	
Chemicals			23,066		7,976,513
Chemicals and acids	6,999	7,000		4,420,935	
Dyes		135		133,380	
Gunpowder		34		1,714	
High explosives		8,767		3,251,680	
Indigo		78		154,804	
Paints and oils		53		14,000	

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WILMINGTON HARBOR, DEL.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL—continued.					
Unclassified			47,467		$23,623,594
Building supplies		406		$98,630	
Glue and wax		14		1,464	
Groceries		10,000		5,000,000	
Miscellaneous		37,047		18,523,500	
Total	210,696	138,774	349,470		130,185,701
SHIPMENTS, INTERNAL.					
Animals and animal products			4,150		32,750,000
Eggs		600		300,000	
Horses		350		150,000	
Patent leather		3,200		32,000,000	
Skins and hides		100		300,000	
Textiles			2,660		15,128,750
Bags		20		2,400	
Dry goods		1,658		14,922,000	
Fiber		757		37,850	
Hose		225		166,500	
Wood and paper: Furniture		2	2	4,880	4,880
Nonmetallic minerals			70,782		83,053
Coal	1,400			9,282	
Oil		17		4,361	
Sand and gravel	69,365			69,430	
Ores, metals and manufactures of			1,834		639,460
Barrels		800		305,600	
Copper bars		1,019		326,080	
Hardware		15		7,780	
Machinery and vehicles			20,683		37,094,800
Automobiles		20,608		37,093,800	
Machinery		75		1,000	
Unclassified: Miscellaneous		13,827	13,827	6,913,500	6,913,500
Total	70,765	43,173	113,938		92,614,443
Total receipts and shipments	281,461	181,947	463,408		222,800,144

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	2,500	$2,630,000	4,150	$32,750,000	6,650	$35,380,000
Vegetable food products	8,431	1,221,720			8,431	1,221,720
Other vegetable products	11	2,449			11	2,449
Textiles	3,380	15,403,959	2,660	15,128,750	6,040	30,532,709
Wood and paper	46,175	2,235,687	2	4,880	46,177	2,240,567
Nonmetallic minerals	146,201	1,866,512	70,782	83,053	216,983	1,949,565
Ores, metals and manufactures	30,305	891,908	1,834	639,460	32,139	1,531,368
Machinery and vehicles	41,934	74,333,359	20,683	37,094,800	62,617	111,428,159
Chemicals	23,066	7,976,513			23,066	7,976,513
Unclassified	47,467	23,623,594	13,827	6,913,500	61,294	30,537,094
Total	349,470	130,185,701	113,938	92,614,443	463,408	222,800,144

Vessel classification, 1921.

Classes.	Number.	Aggregate tonnage.	Passengers.	Classes.	Number.	Aggregate tonnage.	Passengers.
Steamers	6	3,606	1,266,216	Schooners (oyster)	34	2,730	
Ferryboats	2	913	533,370	Mine sweepers	1	800	
Steamships and tankers	12	82,490		Car floats	2	2,000	
Tugs (steam)	24	2,280		Tugs (special)	1		
Barges and lighters	37	18,100					
Gas boats	18	540		Total	137	113,459	1,799,586

NOTE.—In addition to the above there are numerous power pleasure boats belonging to boat clubs that ply on the river during the summer months.

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INLAND WATERWAY FROM DELAWARE RIVER TO CHESAPEAKE AND DELAWARE BAYS, DEL. AND MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.
1919	363,510	$15,629,975	(1)
1920	481,113	42,596,925	22,156
1921	489,644	36,197,828	55,874

[1] Impracticable to obtain.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
EAST AND WEST BOUND TRAFFIC.					
Animals and animal products			4,224		$48,090
Fish		9		$1,800	
Oysters	3,730			44,835	
Oyster shells	485			1,455	
Vegetable food products			26,137		1,241,813
Canned goods		720		64,800	
Corn	1,277			27,364	
Hay		119		2,380	
Melons		465		9,500	
Sugar		7,208		742,767	
Tomatoes		11,985		213,336	
Wheat	4,363			181,666	
Textiles: Cotton		330	330	132,000	132,000
Wood and paper			155,587		2,959,152
Lumber	53,899			1,616,970	
Mine props	51,525			618,300	
Piling	4,689			69,585	
Railroad ties	7,566			113,502	
Pulp wood	37,908			540,795	
Nonmetallic minerals			77,628		622,079
Coal	41,629			416,325	
Lime	205			2,050	
Oil (fuel)	960			15,500	
Pyrites (cinders)	21,664			139,756	
Sand	5,100			15,300	
Salt	308			2,100	
Stone	7,762			31,048	
Ores, metals and manufactures			3,540		469,858
Copper (bar)		411		123,300	
Dredge fittings		1,510		302,000	
Iron (pig)	1,431			25,758	
Tin cans		188		18,800	
Machinery and vehicles			11,397		1,989,228
Boilers		1,598		798,862	
Machinery		9,799		1,190,366	
Chemicals			75,567		1,696,667
Acid	21,624			$433,323	
Fertilizer		18,678		365,068	
Fertilizer material	15,960			322,000	
Nitrate of soda	965			57,900	
Phosphate		9,943		372,795	
Smokeless powder		689		60,866	
Tankage	7,708			84,715	
Unclassified			135,234		27,038,941
Miscellaneous		135,156		27,031,141	
Pontoons		78		7,800	
Total	290,758	198,886	489,644		36,197,828

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INLAND WATERWAY FROM DELAWARE RIVER TO CHESAPEAKE AND DELAWARE BAYS, DEL. AND MD.—continued.

SUMMARY.

Classes of commodities.	Freight traffic.	
	Tons.	Value.
Animals and animal products	4,224	$48,090
Vegetable food products	26,137	1,241,813
Textiles	330	132,000
Wood and paper	155,587	2,959,152
Nonmetallic minerals	77,628	622,079
Ores, metals, and manufactures of	3,540	469,858
Machinery and vehicles	11,397	1,989,228
Chemicals	75,567	1,696,667
Unclassified	135,234	27,038,941
Total	489,644	36,197,828

Vessel Classification, 1921.

Classes.	Number.		Total.	Aggregate tonnage.	Passengers.
	Eastbound.	Westbound.			
Packets	1,093	1,096	2,189	340,052	55,874
Tugs	416	419	835	31,677	.....
Government boats	604	607	1,211	33,260	.....
Sail vessels	127	130	257	15,863	.....
Barges	484	486	970	333,055	.....
Yachts	296	302	598	15,830	.....
Rafts	10	.....	10	.....	.....
Small craft	848	955	1,803	.....	.....
Total	3,878	3,995	7,873	769,737	55,874

Number of lockages, 3,683 eastbound and 3,749 westbound, a total of 7,432.

APPOQUINIMINK RIVER, DEL.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1894	16,755	$852,992	1908	30,975	$1,942,325
1895	15,643	592,240	1909	29,250	1,786,400
1896	20,170	961,250	1910	31,550	1,904,300
1897	21,425	1,283,850	1911	31,225	1,911,450
1898	23,165	1,339,100	1912	27,370	1,712,400
1899	23,200	1,547,800	1913	28,850	1,853,375
1900	27,415	1,730,650	1914	29,775	1,422,425
1901	25,075	1,093,900	1916	2,758	112,312
1902	30,845	1,787,050	1917	1,853	65,668
1903	28,800	1,788,625	1918	2,059	93,890
1904	30,705	2,055,600	1919	2,084	95,900
1905	31,700	2,131,575	1920	6,212	111,994
1906	32,370	2,180,375	1921	4,717	87,512
1907	33,525	2,238,950			

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APPOQUINIMINK RIVER, DEL.—continued.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products: Fish (carp)		30	30	$9,000	$9,000
Nonmetallic minerals			3,370		21,373
Cement		400		6,400	
Coal	800			9,600	
Sand	225			506	
Stone	1,945			4,867	
Chemicals: Fertilizer		350	350	10,500	10,500
Total	2,970	780	3,750		40,873
SHIPMENTS, INTERNAL.					
Vegetable food products			967		46,639
Canned goods		236		22,000	
Corn	250			5,400	
Wheat	481			19,239	
Total	731	236	967		46,639
Total receipts and shipments	3,701	1,016	4,717		87,512

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	30	$9,000			30	$9,000
Vegetable food products			967	$46,639	967	46,639
Nonmetallic minerals	3,370	21,373			3,370	21,373
Chemicals	350	10,500			350	10,500
Total	3,750	40,873	967	46,639	4,717	87,512

Vessel classification, 1921.

Class.	Number.	Aggregate tonnage.
Gasoline boats	6	750

SMYRNA RIVER, DEL.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1893	245,693	$3,116,850	1907	197,290	$4,914,450
1894	402,014	3,458,980	1908	203,080	5,047,000
1895	302,187	3,455,425	1909	203,580	4,979,740
1896	301,146	3,034,280	1913	117,786	1,067,750
1897	315,680	2,939,930	1914	20,216	299,452
1898	337,024	3,432,925	1915	18,580	470,418
1899	339,791	3,769,275	1916	9,266	319,248
1900	348,728	4,195,275	1917	10,652	260,832
1902	430,236	3,455,469	1918	10,734	501,275
1903	429,411	4,191,850	1919	5,218	258,143
1904	828,091	6,163,450	1920	4,893	158,952
1905	204,731	4,923,450	1921	6,909	148,099
1906	207,021	5,122,450			

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SMYRNA RIVER, DEL.—continued.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL.					
Wood and paper: Baskets		157	157	$7,350	$7,350
Nonmetallic minerals			340		2,975
Lime	170			2,550	
Stone (crushed)	170			425	
Chemicals: Fertilizer material	3,192		3,192	46,284	46,284
Total	3,532	157	3,689		56,609
SHIPMENTS, INTERNAL.					
Vegetable food products			3,180		91,010
Canned goods		389		22,246	
Tomatoes		2,791		68,764	
Other vegetable products: Hay (salt)	40		40	480	480
Total	40	3,180	3,220		91,490
Total receipts and shipments	3,572	3,337	6,909		148,099

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products			3,180	$91,010	3,180	$91,010
Other vegetable products			40	480	40	480
Wood and paper	157	$7,350			157	7,350
Nonmetallic minerals	340	2,975			340	2,975
Chemicals	3,192	46,284			3,192	46,284
Total	3,689	56,609	3,220	91,490	6,909	148,099

Vessel classification, 1921.

Classes.	Number.	Aggregate tonnage.
Steamers	1	145
Gasoline boats	12	360
Total	13	505

LEIPSIC RIVER, DEL.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1910	17,241	$454,150	1916	14,098	$270,837
1911	15,498	327,208	1917	8,207	256,432
1912	16,057	324,655	1918	3,144	102,480
1913	12,581	254,380	1919	1,916	820,050
1914	10,289	139,657	1920	1,180	49,704
1915	12,462	248,020	1921	10,796	286,766

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LEIPSIC RIVER, DEL.—continued.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products			1,700		$57,428
Oysters and clams	1,400			$57,000	
Oyster shells	300			428	
Wood and paper: Baskets		228	228	10,659	10,659
Nonmetallic minerals			763		5,158
Coal	333			4,513	
Cinders	430			645	
Chemicals			528		16,160
Fertilizer		400		13,600	
Fertilizer material	128			2,560	
Total	2,591	628	3,219		89,405
SHIPMENTS, INTERNAL.					
Animals and animal products: Oysters and clams	1,400		1,400	57,000	57,000
Vegetable food products			5,907		138,311
Corn	2,492			45,240	
Hay (salt)	707			10,171	
Tomatoes		1,538		36,100	
Wheat	1,170			46,800	
Wood and paper: Piling		270	270	2,050	2,050
Total	5,769	1,808	7,577		197,361
Total receipts and shipments	8,360	2,436	10,796		286,766

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	1,700	$57,428	1,400	$57,000	3,100	$114,428
Vegetable food products			5,907	138,311	5,907	138,311
Wood and paper	228	10,659	270	2,050	498	12,709
Nonmetallic minerals	763	5,158			763	5,158
Chemicals	528	16,160			528	16,160
Total	3,219	89,405	7,577	197,361	10,796	286,766

Vessel classification, 1921.

Classes.	Number.	Aggregate tonnage.
Steamers	1	145
Gasoline boats	5	480
Schooners (oyster)	8	240
Total	14	865

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LITTLE RIVER, DEL.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1912	6,075	$160,500	1917	8,238	$228,475
1913	27,061	1,355,150	1918	9,076	215,548
1914	6,636	213,652	1919	10,721	454,980
1915	5,889	107,047	1920	9,168	373,070
1916	7,327	236,633	1921	5,225	177,963

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products			1,750		$44,074
Oysters and clams	1,500			$43,714	
Oyster shells	250			360	
Nonmetallic minerals			625		27,499
Coal	225			2,700	
Gasoline and oils		400		24,799	
Machinery and vehicles: Machinery		50	50	20,000	20,000
Chemicals: Fertilizer		250	250	7,500	7,500
Total	1,975	700	2,675		99,073
SHIPMENTS, INTERNAL.					
Animals and animal products: Fish (fresh)	50		50	5,000	5,000
Vegetable food products			2,500		73,890
Canned goods		300		27,000	
Grain	600			19,140	
Hay (salt)	1,500			22,500	
Produce (farm)		100		5,250	
Total	1,975	400	2,550		78,890
Total receipts and shipments	4,125	1,100	5,225		177,963

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	1,750	$44,074	50	$5,000	1,800	$49,074
Vegetable food products			2,500	73,890	2,500	73,890
Nonmetallic minerals	625	27,499			625	27,499
Machinery and vehicles	50	20,000			50	20,000
Chemicals	250	7,500			250	7,500
Total	2,675	99,073	2,550	78,890	5,225	177,963

Vessel classification, 1921.

Classes.	Number.	Aggregate tonnage.
Gasoline boats	2	190
Schooners (oyster)	20	600
Total	22	790

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ST. JONES RIVER, DEL.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890	27,777	$1,201,565	1911	100,154	$5,876,550
1896	65,486	3,196,489	1913	102,291	5,901,534
1900	69,241	3,569,829	1914	11,825	585,926
1904	81,610	4,658,444	1915	7,063	171,480
1905	89,018	5,463,338	1916	6,384	188,455
1906	55,196	6,166,940	1917	10,334	507,914
1907	76,377	4,809,740	1918	2,612	125,418
1908	235,313	4,486,778	1919	2,894	181,210
1909	113,550	6,055,129	1920	1,745	87,068
1910	121,871	5,888,075	1921	2,229	59,719

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products: Oysters	31		31	$665	$665
Nonmetallic minerals: Coal	303		303	3,046	3,046
Chemicals: Fertilizer		50	50	1,500	1,500
Total	334	50	384		5,211
SHIPMENTS, INTERNAL.					
Vegetable food products			1,845		54,508
Canned goods (tomatoes)		119		13,500	
Corn	563			11,383	
Hay (salt)	209			3,125	
Tomatoes		954		26,500	
Total	772	1,073	1,845		54,508
Total receipts and shipments	1,106	1,123	2,229		59,719

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	31	$665			31	$665
Vegetable food products			1,845	$54,508	1,845	54,508
Nonmetallic minerals	303	3,046			303	3,046
Chemicals	50	1,500			50	1,500
Total	384	5,211	1,845	54,508	2,229	59,719

Vessel classification, 1921.

Classes.	Number.	Aggregate tonnage.
Gasoline boats	1	110
Steamers	1	145
Schooners (oyster)	5	150
Total	7	405

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MURDERKILL RIVER, DEL.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1894	39, 224	$715, 370	1907	63, 180	$1, 370, 900
1895	32, 712	741, 342	1908	29, 478	1, 158, 800
1896	40, 642	925, 362	1909	26, 067	1, 324, 700
1897	42, 542	581, 210	1910	35, 173	1, 437, 200
1898	40, 947	1, 567, 215	1912	34, 895	1, 472, 750
1899	45, 954	1, 756, 015	1913	35, 082	1, 431, 950
1900	70, 619	2, 234, 980	1914	26, 269	924, 870
1901	13, 300	694, 750	1915	32, 945	1, 012, 956
1902	21, 253	887, 650	1916	33, 105	2, 068, 400
1903	18, 189	863, 388	1917	32, 501	1, 838, 401
1904	22, 480	985, 780	1918	23, 914	1, 901, 228
1905	31, 885	1, 276, 350	1919	27, 680	2, 224, 401
1906	29, 015	1, 418, 525	1920	24, 198	4, 109, 993
			1921	24, 109	2, 220, 121

Passengers carried: 5,886 in 1919, 6,626 in 1920, and 6,556 in 1921.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products			149		$69, 063
Boots and shoes		15		$29, 400	
Horses		123		33, 450	
All others		11		6, 213	
Vegetable food products			777		322, 875
Flour		165		19, 800	
Groceries		612		303, 075	
Other vegetable products			28		18, 095
Brooms		8		4, 095	
Rubber goods		20		14, 000	
Textiles: Cotton goods, etc		709	709	27, 538	27, 538
Wood and paper			228		107, 275
Furniture		175		105, 000	
Lumber	53			2, 275	
Nonmetallic minerals			6, 446		35, 444
Coal	2, 151			24, 627	
Gravel	200			580	
Stone	4, 095			10, 237	
Ores, metals, and manufactures of			614		82, 697
Cans, tin		80		9, 600	
Hardware		364		72, 800	
Slag (iron)	170			297	
Machinery and vehicles			211		98, 900
Automobiles		12		14, 400	
Boilers		21		10, 500	
Machinery		162		66, 000	
Piledriver		7		5, 000	
Vehicles		9		3, 000	
Chemicals			1, 950		104, 250
Fertilizer		1, 100		66, 000	
Phosphate rock	850			38, 250	
Unclassified			872		12, 050
Ice	850			7, 650	
Miscellaneous		22		4, 400	
Total	8, 369	3, 615	11, 984		878, 187

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MURDERKILL RIVER, DEL.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS, INTERNAL.					
Animals and animal products			2,057		$651,770
Eggs		658		$364,164	
Fish		416		33,264	
Live stock		229		55,912	
Oysters and clams		554		12,775	
Poultry		191		181,274	
Skins		9		4,381	
Vegetable food products			9,662		658,233
Apples		1,347		53,872	
Berries		1,240		244,720	
Canned goods		1,103		111,090	
Flour		35		4,200	
Grain		2,664		129,351	
Potatoes		1,460		77,250	
Tomatoes		1,754		30,865	
All others		59		6,885	
Other vegetable products: Rubber tires		1	1	612	612
Textiles: Waste		55	55	3,319	3,319
Wood and paper: Baskets		350	350	28,000	28,000
Total		12,125	12,125		1,341,934
Total receipts and shipments	8,369	15,740	24,109		2,220,121

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	149	$69,063	2,057	$651,770	2,191	$691,433
Vegetable food products	777	322,875	9,662	658,233	10,439	981,108
Other vegetable products	28	18,095	1	612	29	18,707
Textiles	709	27,538	55	3,319	764	30,857
Wood and paper	228	107,275	350	28,000	578	135,275
Nonmetallic minerals	6,446	35,444			6,446	35,444
Ores, metals, and manufactures of	614	82,697			614	82,697
Machinery and vehicles	211	98,900			211	98,900
Chemicals	1,950	104,250			1,950	104,250
Unclassified	872	12,050			872	12,050
Total	11,984	878,187	12,125	1,341,934	24,109	2,220,121

Vessel classification, 1921.

Classes.	Number.	Aggregate tonnage.	Passengers.
Steamers	2	327	6,556
Gasoline boats	8	80	
Schooners (oyster)	7	210	
Total	17	617	6,556

NOTE.—In addition to the above there are about 20 motor boats coming and going to the fishing grounds in Delaware Bay, which carry about 20,000 passengers during the season.

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MISPILLION RIVER, DEL.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1895	56,289	$835,995	1909	187,356	$4,085,500
1896	55,776	850,599	1910	191,745	5,133,500
1897	83,129	1,676,704	1912	140,895	5,602,400
1899	103,432	1,902,840	1913	157,150	6,155,600
1900	174,899	2,809,413	1914	24,492	576,523
1901	113,258	3,027,696	1915	31,778	1,014,346
1902	57,340	1,565,340	1916	31,254	3,638,390
1903	139,876	3,473,760	1917	32,075	1,453,275
1904	187,065	4,537,300	1918	12,239	812,715
1905	121,687	3,349,300	1919	2,597	154,910
1906	258,704	6,117,323	1920	6,521	324,356
1907	229,886	5,226,230	1921	13,029	427,168
1908	171,084	5,107,350			

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products			1,910		$48,200
Clams	10			$600	
Fish (fresh)	167			16,700	
King crabs	506			12,650	
Oysters	1,227			18,250	
Wood and paper: Logs	1,215		1,215	64,800	64,800
Chemicals			6,688		140,290
Fertilizer material	6,182			127,640	
Fish scrap	506			12,650	
Total	9,813		9,813		253,290
SHIPMENTS, INTERNAL.					
Vegetable food products			2,763		155,878
Canned goods		962		91,400	
Corn (shelled)	513			11,750	
Tomatoes		22		550	
Wheat	1,266			52,178	
Machinery and vehicles			53		6,000
Machine parts		3		1,000	
Pile driver		50		5,000	
Chemicals: Fertilizer (prepared)		400	400	12,000	12,000
Total	1,779	1,437	3,216		173,878
Total receipts and shipments	11,592	1,437	13,029		427,168

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	1,910	$48,200			1,910	$48,200
Vegetable food products			2,763	$155,878	2,763	155,878
Wood and paper	1,215	64,800			1,215	64,800
Machinery and vehicles			53	6,000	53	6,000
Chemicals	6,688	140,290	400	12,000	7,088	152,290
Total	9,813	253,290	3,216	173,878	13,029	427,168

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MISPILLION RIVER, DEL.—continued.

Vessel classification, 1921.

Classes.	Number.	Aggregate tonnage.
Steamers	3	450
Gasoline boats	2	300
Schooner (oyster)	6	180
Total	11	930

BROADKILL RIVER, DEL.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1908	35,122	$750,825	1916	16,531	$234,070
1909	35,163	1,110,450	1917	5,866	138,476
1910	10,929	320,105	1918	6,906	140,200
1912 [1]	1,963	50,965	1919	6,306	252,898
1914 [1]	172	2,453	1920	4,522	105,122
1915	5,879	91,915	1921	7,239	149,587

[1] Incomplete.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products			315		$8,002
Fish		9		$1,440	
Oysters	306			6,562	
Wood and paper: Lumber	5,692		5,692	85,940	85,940
Total	5,998	9	6,007		93,942
SHIPMENTS, INTERNAL.					
Animals and animal products: Oysters	132		132	2,845	2,845
Vegetable food products: Farm produce		1,100	1,100	52,800	52,800
Total	132	1,100	1,232		55,645
Total receipts and shipments	6,130	1,109	7,239		149,587

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	315	$8,002	132	$2,845	447	$10,847
Vegetable food products			1,100	52,800	1,100	52,800
Wood and paper	5,692	85,940			5,692	85,940
Total	6,007	93,942	1,232	55,645	7,239	149,587

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BROADKILL RIVER, DEL.—continued.

Vessel classification, 1921.

Classes.	Number.	Aggregate tonnage.
Steamers	1	150
Gasoline boats	1	40
Schooners (oyster)	3	90
Total	5	280

INLAND WATERWAY BETWEEN REHOBOTH BAY AND DELAWARE BAY, DEL.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1914	4,928	$67,123	1918	9,591	$237,430
1915	13,655	303,239	1919	4,813	204,525
1916	26,968	450,129	1920	3,367	148,160
1917	15,275	397,680	1921	10,034	215,840

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products			802		$92,400
Fish	540			$86,400	
Oysters	262			6,000	
Vegetable food products: Tomatoes		300	300	7,200	7,200
Wood and paper: Cord wood	500		500	1,250	1,250
Nonmetallic minerals			650		5,700
Brick	450			3,200	
Coal	200			2,500	
Chemicals: Fertilizer		30	30	1,350	1,350
Total	1,952	330	2,282		107,900
SHIPMENTS, INTERNAL.					
Vegetable food products: Potatoes		60	60	2,000	2,000
Wood and paper: Piling	2,000		2,000	20,000	20,000
Chemicals: Fertilizer		5,692	5,692	85,940	85,940
Total	2,000	5,752	7,752		107,940
Total receipts and shipments	3,952	6,082	10,034		215,840

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	802	$92,400			802	$92,400
Vegetable food products	300	7,200	60	$2,000	360	9,200
Wood and paper	500	1,250	2,000	20,000	2,500	21,250
Nonmetallic minerals	650	5,700			650	5,700
Chemicals	30	1,350	5,692	85,940	5,722	87,290
Total	2,282	107,900	7,752	107,940	10,034	215,840

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INLAND WATERWAY BETWEEN REHOBOTH BAY AND DELAWARE BAY, DEL.—continued.

Vessel classification, 1921.

Classes.	Number.	Aggregate tonnage.
Gasoline boats	11	230
Motor boats	12	72
Barges	12	180
Total	35	482

INLAND WATERWAY FROM CHINCOTEAGUE BAY, VA., TO DELAWARE BAY, AT OR NEAR LEWES, DEL.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1914	4,928	$67,122	1918	5,045	$271,891
1915	16,601	247,568	1919	29,423	2,433,619
1916	19,450	715,329	1920	29,996	1,990,458
1917	22,520	658,278	1921	36,796	2,236,487

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL.					
Animals and animal products			11,557		$701,199
Fish	2,017			$141,080	
Fish oil		4,236		465,960	
Fish scrap	80			2,575	
Oysters	1,724			61,584	
Oyster plants	3,500			30,000	
Vegetable food products			2,715		76,070
Corn		63		1,500	
Hay		98		1,860	
Potatoes		2,559		72,710	
Other vegetable products: Tar		45	45	2,025	2,025
Wood and paper			3,713		98,992
Barrels		91		6,500	
Boats		5		2,000	
Cordwood	150			750	
Cork		10		3,000	
Furniture		6		4,200	
Lumber	2,471			61,544	
Piling (creosoted)	900			19,998	
Pound poles	80			1,000	
Nonmetallic minerals			2,412		77,907
Bricks	210			1,410	
Cement		262		4,192	
Coal	600			6,720	
Gasoline and oils		1,102		64,815	
Lime		38		570	
Sand	200			200	
Ores, metals, and manufactures of			142		16,100
Cans, tin		47		5,000	
Steel, iron, and nails	95			11,100	
Machinery and vehicles			29		14,850
Automobiles		10		12,000	
Machinery		18		2,700	
Wagon		1		150	
Unclassified			3,451		563,586
Ice	1,131			6,786	
Miscellaneous		2,320		556,800	
Total	13,063	11,001	24,064		1,550,729

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INLAND WATERWAY FROM CHINCOTEAGUE BAY, VA., TO DELAWARE BAY, AT OR NEAR LEWES, DEL.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS, INTERNAL.					
Animals and animal products			9,895		$569,218
Live stock		20		$4,500	
Oysters and clams	8,768			263,040	
Oysters and clams (canned)		1,097		301,678	
Vegetable food products: Canned goods		311	311	29,900	29,900
Wood and paper			1,620		42,600
Cordwood	150			600	
Cork board		20		6,000	
Lumber	1,450			36,000	
Chemicals: Fertilizer		843	843	42,150	42,150
Unclassified: Miscellaneous		63	63	1,890	1,890
Total	10,368	2,364	12,732		685,758
Total receipts and shipments	23,431	13,365	36,796		2,236,487

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	11,557	$701,199	9,895	$569,218	21,452	$1,270,417
Vegetable food products	2,715	76,070	311	29,900	3,026	105,970
Other vegetable products	45	2,025			45	2,025
Wood and paper	3,713	98,992	1,620	42,600	5,333	141,592
Nonmetallic minerals	2,412	77,907			2,412	77,907
Ores, metals, and manufactures of	142	16,100			142	16,100
Machinery and vehicles	29	14,850			29	14,850
Chemicals			843	42,150	843	42,150
Unclassified	3,451	563,586	63	1,890	3,514	565,476
Total	24,064	1,550,729	12,732	685,758	36,796	2,236,487

Vessel classification, 1921.

Class.	Number.	Aggregate tonnage.
Gasoline boats	108	1,100

WATERWAY ON THE COAST OF VIRGINIA.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1910	45,207	$451,050	1917	109,024	$2,092,676
1911	47,169	947,900	1918	78,292	1,764,588
1914	1,955	37,426	1919	14,317	743,265
1915	32,262	63,962	1920	14,880	449,670
1916	123,172	6,018,055	1921	16,468	479,948

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WATERWAY ON THE COAST OF VIRGINIA—continued.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
NORTH AND SOUTH BOUND TRAFFIC.					
Animals and animal products			14,887		$435,648
Oysters and clams	14,012			428,148	
Oyster plants	875			7,500	
Vegetable food products: Potatoes		550	550	21,450	21,450
Wood and paper			520		8,100
Cordwood	150			600	
Lumber	370			7,500	
Nonmetallic minerals: Coal	300		300	4,200	4,200
Chemicals: Fertilizer		211	211	10,550	10,550
Total	15,707	761	16,468		479,948

SUMMARY.

Classes of commodities.	Freight traffic.	
	Tons.	Value.
Animals and animal products	14,887	$435,648
Vegetable food products	550	21,450
Wood and paper	520	8,100
Nonmetallic minerals	300	4,200
Chemicals	211	10,550
Total	16,468	479,948

Vessel classification, 1921.

Classes.	Number.	Aggregate tonnage.
Gasoline boats	330	5,000
Schooners (oyster)	58	2,516
Total	388	7,516

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BALTIMORE, MD., DISTRICT.

BALTIMORE HARBOR AND CHANNELS, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889	3,243,017	(1)	[3] 30,542	1906	8,277,098	(1)	[3] 54,672
1890	4,237,361	(1)	[2] 28,567	1907	8,448,203	(1)	[3] 68,340
1891	4,495,469	(1)	[2] 42,004	1908	8,441,034	(1)	[3] 32,131
1892	5,224,042	(1)	[2] 57,323	1909	7,486,273	(1)	[3] 21,716
1893	4,607,176	$87,632,764	[2] 26,183	1910	9,425,046	(1)	[3] 35,408
1894	4,752,946	(1)	[2] 14,296	1911	9,806,421	(1)	[2] 19,720
1895	4,794,964	74,190,066	[2] 7,081	1912	10,029,875	(1)	[2] 29,675
1896	5,363,894	79,842,907	[3] 14,658	1913	14,781,548	$439,906,468	748,943
1897	6,868,120	95,822,330	[3] 6,410	1914	13,425,185	383,401,736	787,402
1898	7,339,405	116,004,404	[3] 12,069	1915	15,762,942	452,040,202	975,901
1899	6,843,620	(1)	[3] 15,551	1916	17,014,285	695,457,772	1,063,486
1900	7,941,580	134,475,148	[3] 27,566	1917	14,055,885	841,616,304	1,059,637
1901	8,055,017	125,060,865	[3] 17,316	1918	13,271,449	630,254,734	967,209
1902	7,529,870	103,449,654	[3] 40,356	1919	14,055,906	873,891,200	1,260,471
1903	7,736,447	109,578,875	[3] 55,802	1920	[4] 16,465,975	923,576,369	876,895
1904	7,334,241	(1)	[3] 56,372	1921	[5] 11,911,846	576,798,859	968,268
1905	7,510,713	(1)	[3] 63,002				

[1] No statistics available.
[2] Foreign.
[3] Fiscal year statistics, foreign.
[4] Exclusive of 851,525 tons car-ferry traffic; value, $89,721,557.
[5] Exclusive of 574,828 tons car-ferry traffic; value, $16,963,478.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Free.				
Animals and animal products		2,031		$472,686
Herring	253		$19,861	
Hides	1,544		422,007	
Mackerel	234		30,818	
Vegetable food products		61,658		2,019,644
Bananas	57,041		1,210,194	
Coffee	4,052		674,809	
Palm oil	394		56,174	
Tea	181		78,467	
Other vegetable products: Clover seed	3,457	3,457	808,866	808,866
Textiles: Burlaps	1,283	1,283	171,272	171,272
Wood and paper		85,581		4,921,635
Corkwood and waste	[1] 1,238		61,876	
Paper stock	[1] 3,418		136,735	
Woodpulp	80,925		4,723,024	
Nonmetallic minerals		1,549,107		5,851,217
Mineral oil	1,475,624		5,526,939	
Salt	5,944		26,413	
Sulphur ore	67,539		297,865	
Ores, metals, and manufactures of		535,582		9,621,847
Chrome ore	22,583		157,113	
Copper	22,969		6,398,360	
Iron ore	242,641		758,051	
Manganese ore	241,640		1,636,282	
Pig iron	5,609		595,004	
Tin in pigs, etc.	140		77,037	
Chemicals		97,877		6,935,562
Chemicals	[1] 5,790		2,315,877	
Fertilizers	48,769		2,366,260	
Nitrate of soda	43,318		2,253,425	
Miscellaneous: All other free articles	[1] 13,127	13,137	2,625,315	2,625,315
Total, free of duty		2,349,653		33,428,044

[1] Estimated.

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BALTIMORE HARBOR AND CHANNELS, MD.—continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Dutiable.				
Animals and animal products: Egg yolk	337	337	$181,078	$181,078
Vegetable food products		80,639		647,822
Molasses	88,748		397,000	
Olive oil	368		184,157	
Pepper	523		66,665	
Other vegetable products		7,558		830,812
Licorice root	7,518		750,698	
Tobacco, leaf	40		80,115	
Textiles		678		495,433
Cotton cloth	79		58,183	
Cotton laces	[1] 11		27,334	
Cotton manufactures	[1] 79		39,415	
Linen and manufactures of flax, etc	[1] 108		56,204	
Linoleum	30		5,909	
Matting	313		47,230	
Straw braid	[1] 44		132,318	
Wool cloth	14		98,840	
Wood and paper		411		119,339
Cork manufactures	[1] 13		19,802	
Paper and manufactures of	[1] 398		99,537	
Nonmetallic minerals		21,198		1,825,943
China and earthenware	[1] 9,453		1,417,975	
Clays	10,353		92,704	
Fluor spar	315		3,318	
Glass and glassware	[1] 600		300,020	
Marble	[1] 477		11,926	
Ores, metals, and manufactures of		3,652		709,125
Aluminum manufactures	[1] 87		174,450	
Zinc and manufactures of	[1] 3,565		534,675	
Chemicals: Ammonia, muriate of	25	25	2,878	2,878
Miscellaneous		10,888		2,883,835
Bristles	71		205,119	
Toys and dolls	[1] 682		651,768	
All other dutiable articles	[1] 10,135		2,026,948	
Total, dutiable		134,386		7,696,266
Total imports		2,484,039		41,124,310
EXPORTS.				
Animals and animal products		18,994		5,186,657
Bacon and hams	1,832		584,828	
Beef, canned and salted	106		57,724	
Lard	7,884		2,134,608	
Leather and manufactures	[1] 906		135,830	
Milk, prepared, etc	6,442		1,604,649	
Neutral lard and oleo oil	314		68,455	
Tallow	514		102,648	
Other meat products	[1] 996		497,915	
Vegetable food products		1,541,379		66,725,341
Barley	34,404		1,246,068	
Corn	559,718		15,362,722	
Cornmeal	15,507		515,006	
Feed	1,347		24,633	
Flour, wheat	61,481		4,431,024	
Flour, rye	56		4,092	
Fruit	[1] 5,184		259,197	
Glucose	10,663		494,178	
Malt	9,612		676,230	
Oats	2,322		104,336	
Oatmeal	4,864		352,380	
Oil, cottonseed	530		115,160	
Oilcake and meal	17,017		758,116	
Rye	324,918		17,824,293	
Vegetables	[1] 25,680		770,398	
Wheat	468,076		23,787,508	
Other vegetable products		62,439		10,536,517
Cigarettes	1		2,273	
Naval stores	[1] 21		2,142	

[1] Estimated.

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BALTIMORE HARBOR AND CHANNELS, MD.—continued.

FOREIGN—Continued.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Other vegetable products—Continued.				
Starch	38,340		$1,526,815	
Tobacco leaf	24,077		3,999,287	
Textiles		2,318		$663,141
Binder twine	1,120		293,350	
Cotton, raw	736		206,922	
Cotton cloth	155		87,318	
Hair	[1] 302		75,551	
Wood and paper		33,822		1,708,087
Paper and manufactures of	[1] 419		104,721	
Lumber and manufactures of	[1] 33,403		1,603,366	
Nonmetallic minerals		1,517,779		13,377,465
Coal	1,471,700		10,286,736	
Coke	18,138		127,050	
Glass and glassware	[1] 1,202		601,228	
Oil, illuminating	653		38,072	
Oil, lubricating	22,904		2,075,887	
Paraffin wax	3,182		248,492	
Ores, metals, and manufactures of		158,459		31,903,223
Brass and manufactures of	[1] 35		28,121	
Copper	66,323		18,305,158	
Iron and steel manufactures	[1] 78,922		12,627,461	
Steel rails	12,373		861,914	
Tin manufactures	[1] 806		80,569	
Machinery and vehicles		15,086		4,302,896
Agricultural implements	[1] 3,864		966,001	
Cars, carriages, autos, etc	[1] 3,542		1,416,918	
Machinery	[1] 7,680		1,919,977	
Chemicals		1,156		461,892
Chemicals	[1] 1,154		461,695	
Explosives	[1] 2		197	
Miscellaneous: All other articles	[1] 38,023	38,023	7,604,525	7,604,525
Total exports		3,289,450		162,463,744
Total imports and exports		5,873,489		183,588,054

CANADIAN ARTICLES RECEIVED IN BOND AND EXPORTED DURING THE YEAR.

Animals and animal products		151		48,124
Cattle	87		43,124	
Meat	23		3,000	
Oleo oil	41		2,000	
Vegetable food products		205,573		10,602,601
Barley	1,790		59,850	
Canned fruit	236		49,724	
Flour	1,170		106,026	
Oats	6,825		206,850	
Oatmeal	63		7,565	
Rye	13,609		709,381	
Wheat	182,360		9,469,205	
Wood and paper: Lumber	542	542	13,760	13,760
Chemicals: Chemicals	12	12	3,957	3,957
Miscellaneous: General merchandise	5	5	1,138	1,138
Total		206,283		10,669,580

[1] Estimated.

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BALTIMORE HARBOR AND CHANNELS, MD.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amounts in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Animals and animal products			7,189		$20,408,320		
Albumen, egg		12		$12,000		394	0.02
Boots and shoes, leather		6,673		20,019,000		645	(1)
Fish, salt		29		2,320		394	.01
Leather		334		334,000		640	(1)
Mackerel		15		1,200		394	.01
Meat products		86		34,400		667	(1)
Poultry, live and dressed		8		3,000		705	(1)
Soap stock		32		2,400		629	(1)
Vegetable and food products			16,645		703,906		
Canned goods		1,278		102,240		1,829	(1)
Coffee		20		4,200		394	.01
Dried peas		45		5,760		5,975	(1)
Flour		88		8,360		822	(1)
Fruits		666		44,955		772	(1)
Mill products		193		7,720		629	(1)
Molasses	10,473			125,208		1,582	(1)
Peanuts		203		24,360		629	(1)
Pepper		218		43,600		394	.01
Pineapples		620		80,600		7,081	(1)
Potatoes		970		29,100		705	(1)
Prunes		18		5,040		394	.01
Raisins		27		11,880		394	.02
Sugar		1,297		188,065		571	.008
Sirups		296		14,208		394	.008
Tea		6		1,800		394	.03
Vegetables		227		6,810		772	(1)
Other vegetable products			9,726		1,619,252		
Boots and shoes, rubber		1,228		736,800		645	(1)
Naval stores		960		111,360		700	(1)
Rosin		5,115		204,600		700	(1)
Seeds		16		3,200		394	.01
Starch		1		100		585	(1)
Tobacco, leaf		253		161,920		700	(1)
Tobacco, manufactures of		1		1,000		628	(1)
Turpentine		2,152		400,272		700	(1)
Textiles			28,080		15,129,070		
Bags, burlap		1,692		219,960		639	(1)
Burlap		36		3,960		394	.02
Cotton linters		27		2,160		629	(1)
Cotton, raw		496		124,000		667	(1)
Dry goods		25,404		14,226,240		639	(1)
Gunny cloth		105		9,450		394	.02
Rope		5		1,500		394	.02
Wool		315		541,800		639	(1)
Wood and paper			39,864		1,568,505		
Books and magazines		136		108,800		667	(1)
Lumber	38,219			879,037		1,876	.008
Paper and paper products		1,368		574,560		578	.01
Railroad ties	43			731		772	(1)
Shavings		98		377		627	(1)
Nonmetallic minerals			60,670		1,336,453		
Clay and fuller's earth		2,162		108,100		700	(1)
Glass		7		3,500		394	.02
Oil, lubricating		647		51,760		639	(1)
Oil, petroleum	14,581			480,725		1,787	(1)
Salt	1,491	21		24,192		1,021	.002
Sulphur	41,761			668,176		1,867	.02
Ores, metals, and manufactures of			2,624		478,517		
Cans, empty		15		1,500		394	.01
Copper, refined	1,287			321,750		394	.01
Drums, empty		25		8,000		394	.01
Fencing, wire		533		39,975		615	(1)
Iron and steel manufactures		571		85,650		673	(1)
Metals, bar and sheet		60		5,700		556	(1)
Mine products		41		492		585	(1)
Nails		43		2,150		585	(1)
Tin foil		14		9,800		394	.02
Tin plate		35		3,500		629	(1)

[1] No statistics available.

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BALTIMORE HARBOR AND CHANNELS, MD.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE—contd.						*Miles.*	*Cents.*
Machinery and vehicles			220		$60,550		
Machinery		183		$45,750		640	(1)
Sewing machines		37		14,800		394	.003
Chemicals			199,924		1,528,900		
Baking powder		830		332,000		585	(1)
Chemicals		104		26,000		5,490	(1)
Fertilizer		553		13,825		629	(1)
Phosphate rock	195,865			979,325		1,646	.002
Soap and soap powder		985		98,500		640	(1)
Soda products		4		100		629	(1)
Soda, nitrate of	1,583			79,150		955	.001
Miscellaneous			30,620		5,636,801		
General merchandise		28,078		5,615,600		1,825	.02
Household goods		30		8,490		667	(1)
Ice	2,487			7,461		494	.04
Matches		14		1,400		394	.02
Toys		11		3,850		394	.03
Total	307,790	87,772	395,562		48,465,274		
SHIPMENTS, COASTWISE.							
Animals and animal products			3,681		2,063,810		
Boots and shoes, leather		498		1,494,000		672	(1)
Fish meal		87		6,960		5,975	(1)
Leather		195		195,000		674	(1)
Meats, dressed		12		6,000		556	(1)
Meat products		801		320,400		526	(1)
Oyster shells		2,000		2,000		5,868	.001
Poultry, live and dressed		2		750		705	(1)
Smoked meats and lard		86		38,700		798	(1)
Vegetable food products			15,790		1,065,745		
Canned goods		9,643		771,440		1,273	.01
Condiments		80		20,000		7,549	(1)
Flour		709		67,355		741	(1)
Fruits		123		8,303		772	(1)
Grain		1,111		41,107		672	(1)
Mill products		3,108		124,300		2,106	(1)
Potatoes		892		26,760		773	(1)
Sugar		24		3,480		705	(1)
Vegetables		100		3,000		667	(1)
Other vegetable products			925		580,626		
Boots and shoes, rubber		3		1,800		667	(1)
Starch		370		37,000		673	(1)
Tobacco, leaf		26		16,640		702	(1)
Tobacco, manufactures of		525		525,000		672	(1)
Turpentine		1		186		772	(1)
Textiles			1,885		1,943,756		
Bags, burlap		151		19,630		664	(1)
Cotton, raw		5		1,250		629	(1)
Dry goods		906		507,360		672	(1)
Wool		823		1,415,516		645	(1)
Wood and paper			1,289		512,559		
Books and magazines		55		44,000		672	(1)
Cork, ground		73		7,300		7,380	(1)
Doors		18		1,440		5,975	(1)
Labels, paper		18		7,560		394	.02
Lumber	48			1,128		667	(1)
Paper and paper products		1,054		442,680		1,786	.02
Paper bags		20		8,400		5,490	(1)
Railroad ties	3			51		585	(1)
Nonmetallic minerals			930,026		5,344,235		
Asbestos		17		1,020		7,634	(1)
Cement		574		6,888		772	(1)
Clay and fuller's earth		4		200		629	(1)
Coal, bituminous	926,454			5,095,497		758	.002
Furnace lining		27		405		7,634	(1)
Glassware		15		7,500		7,634	(1)
Insulators		30		6,000		7,634	(1)
Oil, lubricating		2,732		218,560		672	(1)
Oil, petroleum		35		1,225		503	(1)

[1] No statistics available.

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BALTIMORE HARBOR AND CHANNELS, MD.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, COASTWISE—contd.							
Nonmetalic minerals—Contd.						*Miles.*	*Cents.*
Oil, all kinds		50		$2,100		394	(1)
Salt		65		1,040		556	(1)
Shingles, asbestos		18		1,350		7,634	(1)
Stoneware		2		200		7,634	(1)
Wire glass		3		2,250		7,380	(1)
Ores, metals, and manufactures of			66,463		$6,061,575		
Boiler tubes		33		6,600		7,634	(1)
Bolts and nuts		21		4,200		5,975	(1)
Cans, empty		86		8,600		4,387	.01
Car wheels		25		2,500		7,634	(1)
Castings and machinery		19		2,850		7,634	(1)
Chain		33		6,600		7,634	(1)
Fencing, wire		2,656		192,200		700	(1)
Iron and steel manufactures		26,006		3,900,900		6,741	(1)
Mine products		3,230		38,760		1,401	(1)
Nails		2,233		111,650		4,356	(1)
Pig iron	2,182			43,640		3,247	(1)
Rails, iron and steel	257			12,850		700	(1)
Sheet iron		419		33,520		6,670	(1)
Steel plates	19,403			970,150		5,961	(1)
Steel, bars, billets, etc		2,129		63,870		5,968	(1)
Steel, sheets		408		28,560		6,519	(1)
Structural steel		1,948		97,400		3,060	(1)
Tin plate		5,331		533,100		2,438	(1)
Wire		25		1,250		7,634	(1)
Zinc, sheet		19		2,375		7,634	(1)
Machinery and vehicles			435		107,450		
Automobiles		2		1,400		556	(1)
Automobile supplies		12		4,200		5,975	(1)
Boats		8		4,000		5,975	(1)
Car frames and seats		54		8,100		7,634	(1)
Carriages, baby		8		1,600		394	.04
Machinery		332		83,000		3,419	(1)
Motors		5		3,750		7,380	(1)
Wheelbarrows		14		1,400		5,975	(1)
Chemicals			7,746		191,295		
Acid phosphate	4,592			45,920		433	.004
Baking powder		81		32,400		662	(1)
Fertilizers	1,140	534		41,850		922	.002
Flavoring extract		20		20,000		5,490	(1)
Paint		69		13,800		394	.01
Soap and soap powder		61		6,100		702	(1)
Soda products		1,249		31,225		673	(1)
Miscellaneous			37,665		7,565,860		
General merchandise		37,389		7,477,800		2,564	.01
Graphaphones		115		40,250		394	.02
Household goods		120		33,960		673	(1)
Kodaks		10		3,000		394	.02
Pianos		31		10,850		7,156	(1)
Total	954,079	111,826	1,065,905		25,436,911		
Total coastwise receipts and shipments	1,261,869	199,598	1,461,467		73,902,185		
RECEIPTS, INTERNAL.							
Animals and animal products			57,085		14,275,370		
Butter and cheese		415		415,000		198	(1)
Cattle and calves		22		3,696		198	(1)
Eggs		37		18,500		198	(1)
Fish, fresh		8,714		1,394,240		116	(1)
Game		2		1,000		198	(1)
Hogs		2		500		198	(1)
Horses and mules		10		5,000		198	(1)
Leather		74		74,000		198	(1)
Live stock		40		8,000		198	(1)
Meats, dressed		28		14,000		198	(1)
Meat products		1,711		684,400		198	(1)

[1] No statistics available.

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BALTIMORE HARBOR AND CHANNELS, MD.—continued.

DOMESTIC—Continued.

Class and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL—contd.							
Animals and animal products—Continued.						*Miles.*	*Cents.*
Oysters, in shell	11,108			$166,620		47	(1)
Oyster shells	1,189			1,189		91	(1)
Oysters, shucked		15,534		4,660,200		113	(1)
Poultry, live and dressed		18,107		6,790,125		115	(1)
Sheep		10		2,000		198	(1)
Smoked meats and lard		82		36,900		198	(1)
Vegetable food products			95,902		$5,882,519		
Agricultural products		22,585		1,468,025		117	(1)
Canned goods		17,466		1,397,305		113	0.04
Corn	6,314	8		170,694		97	.04
Cotton seed		31		2,480		198	(1)
Flour		55		5,225		198	(1)
Fruits		1,559		105,733		198	(1)
Grain		226		8,362		171	(1)
Grain products		1,043		41,720		123	(1)
Hay and straw		64		1,856		45	.09
Mill products		1,227		49,080		155	(1)
Oil, cottonseed		2,245		392,875		198	(1)
Onions		18		630		184	.03
Peanuts		5,519		662,280		198	(1)
Potatoes		27		1,019		121	.05
Sugar		199		28,855		198	(1)
Tomatoes		2,250		31,500		50	.07
Vegetables		22,271		668,130		198	(1)
Watermelons		179		1,730		125	.02
Wheat	12,424	60		686,620		94	.05
Wines, liquors, and beer		132		158,400		198	(1)
Other vegetable products			8,031		4,718,198		
Licorice root	906			136,080		124	(1)
Rosin		1		40		198	(1)
Seeds		333		7,660		198	(1)
Tar and pitch, wood		272		10,336		198	(1)
Tobacco, leaf		5,253		3,361,920		149	.09
Tobacco, manufactures		1,199		1,199,000		198	(1)
Turpentine		17		3,162		198	(1)
Textiles			89,037		48,333,070		
Cotton linters		11		880		198	(1)
Cotton, raw		5,547		1,386,750		198	(1)
Dry goods		83,309		46,653,040		198	(1)
Wool		170		292,400		198	(1)
Wood and paper			111,067		2,571,650		
Cordwood	1,897			6,640		177	(1)
Furniture		213		42,600		198	(1)
Lumber	80,391			1,848,993		245	.01
Paper and paper products		1 128		473,760		198	(1)
Piling	19,375			89,700		225	.005
Pulpwood	2,553			15,956		196	(1)
Railroad ties	5,530			94,010		229	(1)
Nonmetallic minerals			37,822		1,293,225		
Cement		25		300		198	(1)
Clay and fuller's earth		218		10,900		198	(1)
Coal, bituminous	1,109			6,100		198	(1)
Lime		21		210		198	(1)
Oil, petroleum	36,044	405		1,275,715		198	(1)
Ores, metals, and manufactures of			2,932		389,223		
Bottle caps		79		15,800		198	(1)
Cans, empty		16		1,600		45	.05
Car wheels		513		51,300		198	(1)
Castings and machinery		414		62,100		198	(1)
Iron and steel manufactures		1,637		245,550		191	.003
Metals, bar and sheet		103		9,785		198	(1)
Mine products		39		468		198	(1)
Pig iron	131			2,620		198	(1)
Machinery and vehicles			7,506		5,147,100		
Agricultural implements		92		23,000		198	(1)
Automobiles		7,195		5,036,500		137	(1)
Wagons, carriages, etc		219		87,600		119	(1)
Chemicals			21,321		846,655		
Acid phosphate	2,098			20,980		124	.005
Acid, sulphuric		1,926		18,779		112	(1)

[1] No statistics available.

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BALTIMORE HARBOR AND CHANNELS, MD.—continued.

DOMESTIC—Continued.

Class and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL—contd.							
Chemicals—Continued.						*Miles.*	*Cents.*
Ammonia, sulphate of	323			$15,181		124	0.005
Chemicals		1,865		466,250		196	(1)
Crab scrap	286			4,953		115	.01
Cyanamid	86			5,504		124	.005
Fertilizer	9,948	305		256,325		179	.005
Fish scrap	206			6,180		110	.02
Kainit	30			555		374	.004
Phosphate rock	3,395			16,975		196	(1)
Tankage	809	44		34,973		217	.005
Miscellaneous			67,283		$13,506,898		
General merchandise		66,671		13,334,200		114	(1)
Household goods		606		171,498		196	(1)
Vessel supplies		6		1,200		196	(1)
Total	196,152	301,854	498,006		96,963,917		
SHIPMENTS, INTERNAL.							
Animal and animal products			24,609		10,694,145		
Butter and cheese		414		414,000		196	(1)
Cattle and calves		153		25,704		196	(1)
Eggs		34		17,000		196	(1)
Fish, fresh		263		42,080		196	(1)
Hogs		8		2,000		196	(1)
Horses and mules		50		25,000		196	(1)
Leather		116		116,000		196	(1)
Live stock		306		61,200		196	(1)
Meats, dressed		3,450		1,725,000		196	(1)
Meat products		13,473		5,389,200		196	(1)
Oyster shells		11		11		196	(1)
Oysters, shucked		45		13,500		196	(1)
Poultry, live and dressed		240		90,000		196	(1)
Sheep		29		5,800		196	(1)
Smoked meats and lard		6,017		2,707,650		196	(1)
Vegetable food products			72,792		15,095,080		
Agricultural products		10,729		697,385		196	(1)
Canned goods		17,163		1,373,040		196	(1)
Corn		16		432		196	(1)
Feed		928		31,382		110	(1)
Flour		1,612		153,140		196	(1)
Fruits		5,094		343,170		170	(1)
Grain		653		24,161		196	(1)
Grain products		10,707		428,280		117	(1)
Hay		1,932		57,960		137	(1)
Mill products		1,015		40,600		182	(1)
Oats		54		1,620		196	(1)
Oil, cottonseed		1		175		196	(1)
Peanuts		8		960		196	(1)
Potatoes		3,853		115,590		196	(1)
Sugar		6,058		878,410		196	(1)
Vegetables		3,684		110,520		170	(1)
Wheat		281		15,455		196	(1)
Wines, liquors, and beer		9,019		10,822,800		196	(1)
Other vegetable products			6,683		4,255,378		
Licorice manufactures		63		44,100		196	(1)
Seeds		838		16,760		196	(1)
Tar and pitch, wood		24		912		196	(1)
Tobacco, leaf		5,158		3,685,120		196	(1)
Tobacco manufactures		499		499,000		196	(1)
Turpentine		51		9,486		196	(1)
Textiles			12,607		6,866,320		
Bags, burlap		337		43,810		196	(1)
Cotton, raw		187		46,750		196	(1)
Dry goods		12,075		6,762,000		196	(1)
Wool		8		13,760		196	(1)
Wood and paper			5,500		891,858		
Lumber	2,636			60,628		116	(1)
Millwork		3		430		91	(1)

[1] No statistics available.

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BALTIMORE HARBOR AND CHANNELS, MD.—continued.

DOMESTIC—Continued.

Class and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTERNAL—con.							
Wood and paper—Continued.						*Miles.*	*Cents.*
Paper and paper products		1,130		$474,600		198	(1)
Furniture		1,731		356,200		198	(1)
Nonmetallic minerals			533,939		$16,514,717		
Asphaltum		32		576		198	(1)
Bricks, building	23			161		144	(1)
Bricks, paving	17,757			169		239	0.007
Cement		5,346		64,152		144	(1)
Coal, anthracite	17,430			178,658		120	(1)
Coal, bituminous	29,829			164,080		93	.02
Coke	28,935			245,948		194	(1)
Lime		108		1,080		145	(1)
Oil, fuel	195,520			6,433,170		200	(1)
Oil, gasoline	149,555	794		7,762,519		146	(1)
Oil, kerosene	60,246			1,373,609		140	(1)
Oil, lubricating	5			400		80	(1)
Oil, petroleum		4,702		164,570		153	(1)
Pyrites, cinders	19,500			78,000		94	(1)
Salt		2,868		45,880		202	.008
Sand and gravel	610			671		35	.02
Stone, crushed	679			1,086		50	.02
Ores, metals, and manufactures of			12,333		1,530,244		
Bottle caps		645		129,000		198	(1)
Cans, empty	281	1,336		161,700		124	.06
Car wheels		609		69,900		198	(1)
Castings and machinery		4,279		641,850		172	(1)
Iron and steel manufactures		1,916		287,400		184	(1)
Metals, bar and sheet		2,336		221,920		198	(1)
Mine products		657		7,884		198	(1)
Pipe, sewer		6		300		198	(1)
Rails, iron and steel	118			5,900		198	(1)
Steel sheets		22		1,540		136	(1)
Tin boxes		38		2,850		198	(1)
Machinery and vehicles			8,152		5,485,000		
Agricultural implements		260		65,000		198	(1)
Automobiles		7,544		5,280,800		137	(1)
Wagons, carriages, etc		348		139,200		198	(1)
Chemicals			79,101		2,163,738		
Acid phosphate	15,872			158,720		207	.004
Ammonia, sulphate of	495			23,265		119	(1)
Chemicals		1,863		465,750		198	(1)
Fertilizer	28,465	26,648		1,377,825		112	.02
Fish scrap	1,066			31,980		199	.008
Kainit	476			8,806		124	.005
Nitrogenous fertilizer materials	1,073	679		84,096		232	.004
Phosphate rock	2,288			11,440		102	(1)
Potash, muriate of	9			396		198	.008
Salt, refuse	26			260		198	.004
Shell dust		120		330		125	(1)
Soda, nitrate of		1		50		374	.004
Tankage		20		820		198	.008
Miscellaneous			234,369		47,319,627		
General merchandise		228,867		45,773,400		117	(1)
Household goods		5,426		1,535,558		198	(1)
Ice		23		69		198	(1)
Vessel supplies		53		10,600		198	(1)
Total	572,894	417,141	990,035		110,756,107		
Total internal receipts and shipments	769,046	718,995	1,488,041		207,720,024		
LOCAL.							
Animals and animal products			19,442		96,662		
Albumen, egg		50		50,000		5	(1)
Milk, powdered		10		2,500		5	(1)
Oysters, in shell	771			11,565		1	(1)
Oyster shells	18,597			18,597		5	.20
Yolk, egg, powdered		14		14,000		5	(1)

[1] No Statistics available.

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BALTIMORE HARBOR AND CHANNELS, MD.—continued.

DOMESTIC—Continued.

Class and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average age haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
LOCAL—continued.						*Miles.*	*Cents.*
Vegetable food products			35,719		$2,769,089		
Beans		179		$24,165		5	(1)
Canned goods		26,606		2,128,480		5	(1)
Corn		1,056		28,512		5	(1)
Dried grain		2,000		100,000		5	(1)
Flour		5,000		475,000		5	(1)
Hay		40		1,200		5	(1)
Tomatoes		838		11,732		5	(1)
Other vegetable products			37,773		15,429,920		
Insecticides		25		22,500		4	(1)
Licorice root	5,119			921,400		5	(1)
Seeds		10,317		206,340		5	(1)
Tobacco, leaf		22,312		14,279,680		5	(1)
Textiles			1,104		232,140		
Bags, burlap		586		76,180		5	(1)
Cotton, raw		500		125,000		5	(1)
Wool		18		30,960		5	(1)
Wood and paper			3,723		745,475		
Lumber	2,000			47,000		5	(1)
Paper and paper products		1,650		693,000		5	(1)
Wood pulp		73		5,475		5	(1)
Nonmetallic minerals			2,268,524		10,730,507		
Asphaltum		504		9,065		2	(1)
Bricks, building	9,557			66,899		8	(1)
Brimstone	526			18,410		4	(1)
Cement		4,447		53,364		4	(1)
Coal, anthracite	51,455			527,414		5	(1)
Coal, bituminous	1,026,261			5,644,436		5	0.08
Coke	104,560			888,760		10	(1)
Gravel	409,861			573,805		3	(1)
Grease		573		34,358		2	(1)
Oil, fuel	107,688			2,288,370		3	.09
Oil, gasoline	316			16,315		2	(1)
Oil, kerosene	1,201			27,383		2	(1)
Oil, lubricating		487		38,960		2	(1)
Oil, petroleum	180			8,392		5	(1)
Oil, all kinds		1,398		58,716		5	(1)
Pyrites, cinders	16,639			66,556		5	(1)
Salt	840	312		18,432		3½	(1)
Sand	508,796			352,657		4	(1)
Sand and gravel	12,923			14,215		10	Free.
Stone, crushed	15,000			24,000		5	(1)
Ores, metals, and manufactures of			94,725		22,125,250		
Bottle caps		83		16,600		5	(1)
Cans, empty		97		9,700		5	(1)
Castings and machinery		4		600		10	(1)
Copper, refined	64,200			16,050,000		2	(1)
Drums, empty		6		1,920		2	(1)
Meters, gas		1,591		1,019,306		5	(1)
Pig copper	9,266			5,000,000		2	(1)
Sinters	19,069			6,674		5	(1)
Steel plates		409		20,450		7½	(1)
Chemicals			192,971		3,072,973		
Acid phosphate	101,880			1,018,800		5	(1)
Acid, sulphuric	24,613			239,977		7½	(1)
Ammonia, sulphate of	3,076			144,572		7½	(1)
Dried blood		137		10,960		4	(1)
Dried filler		708		1,770		10	(1)
Fertilizer		36,910		922,750		4	(1)
Phosphate rock	4,379			21,895		7	.01
Potash, sulphate of	1,534	1,119		147,242		4½	(1)
Potash, muriate of	322			14,159		5	(1)
Salt, agricultural		15		225		4	(1)
Salts, Epsom		835		45,925		4½	(1)
Salt, manure	656			10,496		5	(1)
Shell dust	7,132			19,613		3	(1)
Soda products		136		3,400		5	(1)
Soda, nitrate of	16	8,834		442,500		5	(1)
Soda, sulphite of		315		14,175		4	(1)
Tankage		354		14,514		4	(1)
Miscellaneous: General merchandise		228,585	228,585	45,717,000	45,717,000	6	.17
Total	2,523,433	359,133	2,882,566		100,919,016		

[1] No statistics available.

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BALTIMORE HARBOR AND CHANNELS, MD.—continued.

Railroad car ferry traffic.

Commodities.	Amount in short tons.	Value.
IMPORTS.		
Vegetable food products and beverages:		
Bananas	26,668	$560,028
Canned goods	20	1,600
Coconuts	154	2,048
Other vegetable products:		
Seeds	17	3,400
Wood and paper: Wood pulp	11,345	850,871
Nonmetallic minerals:		
Brimstone	7,072	212,160
Clay	1,176	11,760
Manganese ore	54,695	1,750,240
Sulphur	1,193	17,488
Ores, metals and manufactures of:		
Ferromanganese	293	41,020
Pig iron	111	2,220
Chemicals:		
Fertilizer materials	3,070	122,800
Potash, muriate of	488	21,472
Soda, nitrate of	3,534	176,700
Miscellaneous:		
General merchandise	793	158,600
Toys	220	77,000
Total	110,849	4,009,407
EXPORTS.		
Animals and animal products:		
Hides	21	8,400
Lard	600	127,200
Milk	3,237	809,250
Vegetable food products and beverages:		
Flour	1,225	116,375
Flour and meal	12,059	615,009
Canned goods	39	3,120
Grits, oats, feed, seed, and hay	6,526	430,716
Malt	2,239	156,730
Potatoes	114	3,420
Sugar and sirup	648	62,856
Other vegetable products:		
Auto tires	36	64,800
Starch	1,236	123,600
Tobacco, leaf	174	111,360
Wood and paper: Lumber	655	15,393
Nonmetallic minerals:		
Asphalt	152	2,736
Cement	300	3,600
Cement, plaster, and bricks	612	7,344
Glassware and insulators	411	143,850
Oil and wax	1,992	111,552
Ores, metals, and manufactures of:		
Iron, steel, wire, nails, bolts, and tin plate	33,837	2,988,822
Pipe	392	27,440
Steel	320	16,000
Machinery and vehicles:		
Machinery	90	22,500
Chemicals:		
Ammonia, soda ash, etc	305	13,420
Soap powder	22	2,200
Miscellaneous:		
Bath tubs	17	1,700
General merchandise	65	13,000
Total	67,324	6,002,393

Commodities.	Amount in short tons.	Value.
COASTWISE, INBOUND.		
Vegetable food products and beverages:		
Canned goods	448	$35,840
Feed	2,003	68,102
Flour	22	2,090
Wood and paper:		
Barrels	105	5,949
Paper and paper products	4	1,680
Nonmetallic minerals:		
Cement	13,190	158,280
Gasoline, oil, etc	98	8,722
Lime and stone	36	209
Salt	235	3,760
Ores, metals and manufactures of: Iron and steel manufactures	6,706	1,005,900
Machinery and vehicles:		
Machinery	48	12,000
Chemicals:		
Fertilizer	216	5,400
Fertilizer materials	3	120
Miscellaneous: Foodstuffs	56	11,200
Total	23,170	1,319,252
COASTWISE, OUTBOUND.		
Animals and animal products:		
Hides	15	6,000
Fish scrap	2,268	68,040
Leather	12	12,000
Mules	40	20,000
Vegetable food products and beverages:		
Beans	20	2,700
Canned goods	1,129	90,320
Sugar	40	5,800
Other vegetable products:		
Auto tires	77	138,600
Rosin	409	16,360
Rubber	1,219	402,270
Tar	6	228
Wood and paper: Lumber	416	9,776
Nonmetallic minerals:		
Fuller's earth	385	10,585
Ores, metals, and manufactures:		
Iron and steel manufactures	12	1,800
Pipe	7,626	533,820
Steel	6,840	342,000
Machinery and vehicles:		
Machinery	1,302	335,500
Automobiles	200	140,000
Miscellaneous: General merchandise	892	178,400
Total	22,908	2,314,202
LOCAL.		
Animals and animal products:		
Oysters, in shell	325	4,875
Oyster shells	700	700
Oyster shells crushed	3,968	32,934
Vegetable food products and beverages:		
Apples	125	1,675
Bananas	140	2,940
Canned goods	5,635	450,800
Copra	255	30,600
Corn	320	8,640
Feed	40	1,360

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BALTIMORE HARBOR AND CHANNELS, MD.—continued.

Commodities.	Amount in short tons.	Value.
LOCAL—continued.		
Vegetable food products and beverages—Con.		
Feed, hay, and grain products	931	$29,327
Flour	799	75,805
Fruit	54	3,645
Hay	20	600
Sugar	66	9,750
Other vegetable products:		
Tobacco, leaf	510	326,400
Seed	858	171,600
Textiles:		
Bags, burlap	930	120,900
Cotton, raw	90	22,500
Wood and paper:		
Box shooks	45	900
Cases, empty	69	1,725
Cork	10	1,000
Furniture	13	2,600
Lumber	2,230	52,406
Paper and paper boxes	388	162,960
Shavings	826	3,180
Nonmetallic minerals:		
Asbestos manufactures	29	2,900
Asphalt	41,497	746,946
Asphaltum and fuel oil	24,843	496,860
Bricks, building	160	1,120
Cement	210	2,520
Cement, bricks, lime, stone, and sand	87,506	546,913
Coal, bituminous	2,200	12,100
Coal and coke	3,799	30,392
Coke	2,433	20,681
Feldspar	26	1,560
Gasoline	13,334	688,034
Glass	460	230,000
Gravel	175	245
Oil, all kinds	29,012	1,218,504
Sand	70	49
LOCAL—continued.		
Nonmetallic minerals—Continued.		
Sand and gravel	75,650	$83,215
Wax, paraffin	619	43,330
Ores, metals, and manufactures:		
Cans, empty	1,058	105,800
Cinders	44	15
Chrome ore	2,940	117,600
Copper manufactures	32	16,000
Drums, empty	65	20,800
Iron and steel manufactures	5,747	862,050
Iron ore and steel	20,184	544,968
Lead	396	37,620
Pig iron	520	10,400
Steel	425	21,250
Tin boxes	5,120	384,000
Wire	450	22,500
Machinery and vehicles:		
Automobiles	120	84,000
Automobile trucks	171	171,000
Machinery	200	50,000
Chemicals:		
Acids	3,735	49,302
Acids, chemicals, etc.	5,539	492,971
Acid, sulphuric	1,295	12,626
Chemicals	943	235,750
Explosives	30	30,000
Fertilizer	107,256	2,681,400
Fertilizer materials	86,256	3,450,240
Phosphate rock	14,960	74,800
Potash	840	42,000
Soap	48	4,800
Soda ash	68	2,720
Soda, nitrate of	544	27,200
Tankage	725	29,725
Miscellaneous: General merchandise	13,793	2,758,600
Total	574,828	16,963,478

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BALTIMORE HARBOR AND CHANNELS, MD.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.						Total.	
	Imports.		Exports		Coastwise.		Internal.		Local.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	2,368	$653,764	19,145	$5,234,781	10,870	$22,472,130	81,694	$24,909,515	19,442	$96,662	133,519	$53,366,852
Vegetable food products	151,297	2,667,466	1,746,952	77,327,942	32,435	1,769,651	168,694	20,977,599	35,719	2,769,089	2,135,097	105,511,747
Other vegetable products	11,015	1,639,679	82,439	10,530,517	10,651	2,199,878	14,664	8,973,576	37,773	15,429,920	136,542	38,773,570
Textiles	1,961	666,705	2,313	663,141	29,965	17,072,826	101,644	55,199,390	1,104	232,140	136,987	73,834,202
Wood and paper	85,992	5,040,974	34,364	1,721,847	41,153	2,076,064	116,587	3,463,517	3,723	745,475	281,819	13,047,877
Nonmetallic minerals	1,570,305	7,677,160	1,517,779	13,377,465	990,696	6,680,688	571,761	17,807,942	2,268,524	10,730,507	6,919,065	56,273,762
Ores, metals, and manufactures of	539,184	10,330,972	158,459	31,903,223	69,087	6,540,092	15,265	1,919,467	94,725	22,125,250	876,720	72,819,004
Machinery and vehicles	.....	.....	15,086	4,302,896	655	168,000	15,658	10,632,100	.....	.....	31,399	15,102,996
Chemicals	97,902	6,938,440	1,168	465,849	207,670	1,720,195	100,422	3,010,393	192,971	3,072,973	600,133	15,207,850
Miscellaneous	24,015	5,509,150	38,028	7,605,663	68,285	13,202,661	301,652	60,826,525	228,585	45,717,000	660,565	132,860,999
Total	2,484,039	41,124,310	3,595,733	153,133,324	1,461,467	73,902,185	1,488,041	207,720,024	2,882,566	100,919,016	[1]11,911,846	[1]576,798,859

[1] Excludes car ferry traffic short tons 574,828, value $16,963,478.

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BALTIMORE HARBOR AND CHANNELS, MD.—continued.

Vessel classification, 1921.

Classes.	Foreign.		Domestic and coastwise.		Total.	Draft feet.	Net registered tonnage.	Freight.	Passengers.
	Entered.	Cleared.	Arrivals.	Departures.					
Foreign:									
Steamers	388	477	289	210	1,364	9-30	3,769,187	6,079,772	169
Sailing vessels	10	15	7	4	36	8-25	26,934	(1)	.....
American:									
Steamers	384	340	5,286	5,625	11,635	7-30	7,192,057	[1] 2,045,068	911,099
Ferries	.....	.....	730	730	1,460	5-8	788,400	13,000	57,000
Power boats	.....	.....	234	289	523	1-12	23,128	54,330	.....
Sailing vessels	.....	.....	1,486	1,135	2,621	1-20	148,283	217,728	.....
Barges	.....	.....	116	514	630	5-15	293,890	744,809	.....
Car ferries	.....	.....	988	925	1,913	5-9	286,950	574,828	.....
Lighters	.....	.....	8,642	3,241	11,883	3-8	1,639,528	2,737,584	.....
Rafts	.....	.....	25	.....	25	2-5	.....	19,375	.....
Other vessels	.....	.....	.....	29	29	.....	.....	180	.....
Total	782	832	17,808	12,702	32,119	.....	14,168,357	12,486,674	968,268

[1] Freight carried in foreign sailing vessels and American steamers in foreign service included in freight carried by foreign steamers.

Vessels built at Baltimore, Md., in 1921

Classes.	Number.	Tons.	Value.
Steam	14	105,382	$41,049,500
Gasoline	8	543	227,000
Sailing	12	27,090	355,000
Barges	13	4,491	484,850
Total	47	137,506	42,116,350

The number of vessels documented in the district of Maryland, which includes Baltimore, Crisfield, and Annapolis, Md., and Washington, D. C., is 1,855, with a gross tonnage of 841,661. In addition it is estimated that there are operated within the district of Maryland boundaries over 8,500 small motor boats.

SUSQUEHANNA RIVER ABOVE AND BELOW HAVRE DE GRACE, MD

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889	246,317	(1)	(1)	1911	352,335	$2,864,688	100,000
1890	143,506	(1)	(1)	1912	87,762	994,322	31,554
1891	116,601	(1)	(1)	1913	156,269	1,098,731	32,238
1892	541,584	$2,219,474	(1)	1914	225,513	726,791	28,932
1893	759,642	3,027,367	(1)	1915	200,990	1,944,605	28,000
1903	143,212	(1)	(1)	1916	124,821	1,756,562	26,800
1905	135,298	627,022	(1)	1917	13,058	1,317,901	26,400
1906	73,815	542,200	(1)	1918	40,141	2,020,568	25,000
1907	85,212	801,420	(1)	1919	82,466	2,910,542	24,000
1908	37,927	473,933	(1)	1920	136,250	3,477,773	15,700
1910	192,675	448,362	50,000	1921	101,604	2,192,330	24,900

[1] No statistics available.

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SUSQUEHANNA RIVER ABOVE AND BELOW HAVRE DE GRACE, MD.—continued.

[Navigation season, Mar. 1, 1921, to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	*Cents.*
Vegetable food products			1,204		$17,050		
Potatoes		2		360		50	(1)
Flour		2		190		50	(1)
Tomatoes		1,200		16,800		50	0.04
Wood and paper: Barrels		30	30	1,700	1,700	50	(1)
Nonmetallic minerals			2,393		14,001		
Coal, bituminous	2,313			12,721		50	.01
Salt		80		1,280		50	(1)
Miscellaneous: General merchandise		6,670	6,670	1,334,000	1,334,000	50	(1)
Total	2,313	7,984	10,297		1,366,751		
SHIPMENTS, INTERNAL.							
Animals and animal products: Fish, salt		240	240	19,200	19,200	320	.006
Nonmetallic minerals: Stone, crushed	87,737		87,737	140,379	140,379	83	.015
Miscellaneous: General merchandise		3,330	3,330	666,000	666,000	50	(1)
Total	87,737	3,570	91,307		825,579		

[1] Unobtainable.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	240	$19,200
Vegetable food products	1,204	17,050
Wood and paper	30	1,700
Nonmetallic minerals	90,130	154,380
Miscellaneous	10,000	2,000,000
Totals	101,604	2,192,330

This is a decreased tonnage of 34,646 under that reported for 1920, due to reduction to shipments of sand and crushed stone.

Vessel classification, 1921.

Class.	Domestic.		Draft.	Total		Freight carried.	Passengers.
	Arrivals.	Departures.		Number.	Net tonnage.		
			Feet.				
Steamers	275	275	4-8	550	172,700	10,000	24,990
Power boats	2	79	1-5	81	3,564	7,080	
Sailing vessels	7	80	1-8	87	6,828	13,440	
Barges		79	5-10	79	29,230	58,581	
Lighters	14	32	5-8	46	6,038	12,503	
Other vessels [1]							
Totals	298	545		843	218,360	101,604	24,990

[1] A number of small motor boats are used for fishing and pleasure.

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ELK AND LITTLE ELK RIVERS, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1901	20,437	$115,342	(1)	1912	43,352	$158,066	4,000
1902	17,389	116,610	(1)	1913	48,408	182,262	(1)
1903	10,352	(1)	(1)	1914	44,111	164,882	(1)
1904	2,686	35,769	(1)	1915	44,933	168,376	(1)
1905	26,446	275,214	(1)	1916	42,385	202,364	4,000
1906	15,179	198,605	(1)	1917	44,208	251,673	(1)
1907	30,357	220,057	(1)	1918	44,464	315,309	(1)
1908	42,880	258,847	(1)	1919	42,301	307,084	(1)
1910	55,718	346,733	(1)	1920 [2]	49,316	589,457	(1)
1911	46,823	182,568	2,000	1921	34,269	224,568	(1)

[1] No statistics available.
[2] Exclusive of 10,000 tons cargoes in transit; value, $20,000.

[Navigation season, Jan. 1, 1921 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	*Cents.*
Wood and paper: Pulp wood	33,918	.....	33,918	$211,987	$211,987	225	(1)
Chemicals: Fertilizer	.....	198	198	4,950	4,950	50	0.03
Total	33,918	198	34,116	.....	216,937	.....	.....
SHIPMENTS, INTERNAL.							
Vegetable food products	.....	.....	153	.....	7,631	.....	.....
Corn	28	.....	.....	756	.....	50	.05
Wheat	125	.....	.....	6,875	.....	50	.05
Total	153	.....	153	.....	7,631	.....	.....
Total receipts and shipments, internal	34,071	198	34,269	.....	224,568	.....	.....

[1] Unobtainable.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Vegetable food products	153	$7,631
Wood and paper	33,918	211,987
Chemicals	198	4,950
Total	34,269	224,568

This is a decreased tonnage of 15,047 under that reported for 1920.

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ELK AND LITTLE ELK RIVERS, MD.—continued.

Vessel classification, 1921.

Class.	Domestic.		Draft.	Total.		Freight carried.	Passengers.
	Arrivals.	Departures.		Number.	Net tonnage.		
			Feet.				
Tugs	65		5-7	65	7,995		
Sailing vessels	20	6	1-7	26	1,590	3,051	
Barges	47		5-7	47	17,638	31,218	
Other vessels [1]							
Total	132	6		138	27,223	34,269	

[1] During the summer months a number of small motor boats are used for pleasure purposes.

CHESTER RIVER, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1894	30,490	$1,021,800	(1)	1909	54,618	$4,121,412	(1)
1895	4,847	117,613	(1)	1910	54,616	4,122,956	14,466
1896	36,113	1,152,101	(1)	1911	68,709	4,256,820	14,502
1897	53,480	(1)	(1)	1912	68,772	4,282,230	14,647
1898	79,201	3,063,985	(1)	1913	63,558	4,298,665	14,720
1901	41,733	(1)	(1)	1914	26,107	352,274	770
1902	47,512	1,859,299	(1)	1915	40,932	963,960	8,195
1904	48,463	1,896,485	(1)	1916	46,568	1,691,741	6,641
1905	49,168	2,336,458	(1)	1917	48,195	2,221,336	5,012
1906	48,199	2,754,970	(1)	1918	35,534	1,952,327	3,123
1907	49,162	3,561,122	(1)	1919	28,562	2,009,945	2,719
1908	54,078	3,917,210	(1)	1920 [2]	34,291	2,271,774	2,382
				1921	24,311	1,155,605	21,774

[1] No statistics available.
[2] Exclusive of 3,227 tons cargoes in transit; value, $88,101.

[Navigation season, Jan. 1, 1921, to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	*Cents.*
Vegetable food products			206		$8,050		
Grain products		187		$7,480		55	(1)
Hay		19		570		55	(1)
Wood and paper			1,368		32,615		
Shingles		48		1,260		55	0.01
Laths		10		570		55	.004
Lumber	1,310			30,785		71	.04
Nonmetallic minerals			779		6,854		
Bricks	191			1,337		55	.05
Cement		22		264		55	.04
Coal, anthracite	62			574		60	.03
Coal, bituminous	377			2,074		60	.03
Lime		40		400		55	(1)
Oil, petroleum		31		1,085		55	(1)
Plaster		56		1,120		55	.04
Ores, metals, and manufactures:							
Cans, empty		255	255	25,500	25,500	60	.03
Chemicals: Fertilizer	5,900	1,232	7,132	178,300	178,300	36	.07
Miscellaneous: General merchandise		1,257	1,257	251,400	251,400	55	(1)
Total	7,840	3,157	10,997		502,719		

[1] Unobtainable.

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CHESTER RIVER, MD.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTERNAL.						*Miles.*	*Cents.*
Animals and animal products			385		$124,795		
Fish, fresh		52		$8,320		55	(1)
Oysters, shucked		112		33,600		55	(1)
Poultry		221		82,875		55	(1)
Vegetable food products			10,187		414,632		
Agricultural products		264		17,160		55	(1)
Canned goods		1,057		84,560		58	0.03
Corn	3,553			95,931		54	.05
Peas		42		8,400		60	.03
Potatoes	24	90		3,420		55	.05
Tomatoes		1,914		26,796		70	.04
Wheat	3,243			178,365		57	.05
Wood and paper: Baskets		866	866	53,259	53,259	55	.06
Chemicals: Fertilizer		1,800	1,800	45,000	45,000	91	.02
Miscellaneous: General merchandise		76	76	15,200	15,200	55	(1)
Total	6,820	6,494	13,314		652,886		
Total receipts and shipments, internal	14,660	9,651	24,311		1,155,605		

[1] Unobtainable.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	385	$124,795
Vegetable food products	10,393	422,682
Wood and paper	2,234	85,874
Nonmetallic minerals	779	6,854
Ores, metals, and manufactures of	255	25,500
Chemicals	8,932	223,300
Miscellaneous	1,333	266,600
Total	24,311	1,155,605

This is a decreased tonnage of 9,980 under that reported for 1920.

Vessel classification, 1921.

Class.	Domestic.		Draft.	Total		Freight carried.	Passengers.
	Arrivals.	Departures.		Number.	Net tonnage.		
			Feet.				
Steamers	195	195	5-7	390	124,020	2,437	21,774
Power boats	20	133	1-5	153	2,727	6,717	
Sailing vessels	56	78	1-8	134	5,250	10,192	
Lighters	16	1	4-8	17	2,397	4,965	
Total	287	407		694	135,394	24,311	21,774

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CORSICA RIVER, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.[1]	Year.	Tons.	Value.	Passengers.[1]
1912	38,551	$813,649	.....	1917	30,625	$1,420,650	.....
1913	50,746	786,900	.....	1918	23,338	1,096,680	.....
1914	43,999	734,200	.....	1919	21,670	1,290,326	.....
1915	44,300	642,600	.....	1920	14,243	526,132	.....
1916	54,302	1,470,954	.....	1921	11,571	320,212	.....

[1] No statistics available.

[Navigation season, Mar. 1, 1921, to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	*Cents.*
Oyster shells	15	.....	15	$15	$15	50	0.02
Wood and paper: Lumber	182	.....	182	4,277	4,277	50	.02
Nonmetallic minerals	.....	.....	2,200	.....	7,240	.....	.....
Cement	.....	200	.....	2,400	.....	50	.02
Lime	100	200	.....	1,800	.....	50	.02
Salt	.....	100	.....	1,600	.....	50	.02
Sand	800	.....	.....	560	.....	50	.02
Sand and gravel	800	.....	.....	880	.....	50	.02
Ores, metals, and manufactures:							
Cans, empty	.....	178	178	17,800	17,800	50	.07
Chemicals	.....	.....	3,445	.....	51,420	.....	.....
Acid phosphate	1,766	.....	.....	17,660	.....	50	.02
Fertilizer	.....	600	.....	15,000	.....	50	.02
Fertilizer base	321	.....	.....	3,852	.....	50	.02
Kainit	502	.....	.....	9,287	.....	50	.02
Potash, muriate of	.....	35	.....	1,540	.....	50	.02
Salt, manure	51	.....	.....	816	.....	50	.02
Sulphate of ammonia	.....	20	.....	940	.....	50	.02
Tankage	.....	50	.....	2,050	.....	50	.02
Shell dust	.....	100	.....	275	.....	50	.02
Total	4,537	1,483	6,020	.....	80,752	.....	.....
SHIPMENTS, INTERNAL.							
Vegetable food products	.....	.....	4,105	.....	203,310	.....	.....
Canned goods	.....	1,875	.....	150,000	.....	50	.04
Corn	280	.....	.....	7,560	.....	50	.02
Tomatoes	.....	1,500	.....	21,000	.....	50	.07
Wheat	450	.....	.....	24,750	.....	50	.02
Chemicals: Fertilizer	.....	1,446	1,446	36,150	36,150	30	.08
Total	730	4,821	5,551	.....	239,460	.....	.....
Total receipts and shipments, internal	5,267	6,304	11,571	.....	320,212	.....	.....

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	15	$15
Vegetable food products	4,105	203,310
Wood and paper	182	4,277
Nonmetallic minerals	2,200	7,240
Ores, metals, and manufactures	178	17,800
Chemicals	4,891	87,570
Total	11,571	320,212

This is a decreased tonnage of 2,642 under that reported for 1920.

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CORSICA RIVER, MD.—continued.

Vessel classification, 1921.

Class.	Domestic.		Draft.	Total.		Freight carried, tons.
	Arrivals.	Departures.		Number.	Net tonnage.	
			Feet.			
Power boats	2	7	1-6	9	228	389
Sailing vessels	61	47	1-6	108	6,475	11,182
Other vessels [1]	.....	.....	.....	.....	.....	.....
Total	63	54	.....	117	6,703	11,571

[1] A number of small motor boats are used for fishing and pleasure.

QUEENSTOWN HARBOR, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1897	45,898	(1)	(1)	1911	28,142	$1,389,460	2,537
1898	25,845	(1)	(1)	1912	28,891	1,309,018	2,562
1900	12,373	$730,538	(1)	1913	28,335	1,307,806	2,579
1901	11,836	635,873	(1)	1914	21,737	1,067,935	9,259
1902	18,769	(1)	(1)	1915	18,670	323,907	1,017
1903	8,889	(1)	(1)	1916	14,051	346,259	731
1904	19,144	(1)	(1)	1917	10,690	388,417	576
1905	19,421	607,424	(1)	1918	11,383	734,409	481
1906	19,808	835,872	(1)	1919	4,374	353,540	431
1907	20,202	1,063,540	(1)	1920	710	133,374	406
1908	22,220	1,169,716	(1)	1921	564	110,201	2,215
1910	22,439	1,228,082	2,531				

[1] No statistics available.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS, INTERNAL.						
						Miles.
Vegetable food products: Grain products	.....	47	47	$1,880	$1,880	35
Wood and paper: Lumber	5	.....	5	118	118	35
Nonmetallic minerals: Coal, anthracite	10	.....	10	103	103	35
Chemicals: Fertilizer	.....	22	22	550	550	35
Miscellaneous: General merchandise	.....	173	173	34,600	34,600	35
Total	15	242	257	.....	37,251	.....
SHIPMENTS, INTERNAL.						
Animals and animal products	.....	.....	193	.....	62,885	.....
Fish, fresh	.....	26	.....	4,160	.....	35
Oysters, shucked	.....	52	.....	15,600	.....	35
Poultry	.....	115	.....	43,125	.....	35
Vegetable food products	.....	.....	96	.....	6,465	.....
Agricultural products	.....	81	.....	5,265	.....	35
Canned goods	.....	15	.....	1,200	.....	35
Miscellaneous: General merchandise	.....	18	18	3,600	3,600	35
Total	.....	307	307	.....	72,950	.....
Total receipts and shipments, internal	15	549	564	.....	110,201	.....

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QUEENSTOWN HARBOR, MD.—continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	193	$62,885
Vegetable food products	143	3,345
Wood and paper	5	118
Nonmetallic minerals	10	103
Chemicals	22	550
Miscellaneous	191	38,200
Total	564	110,201

This is a decreased tonnage of 146 under that reported for 1920.

Vessel classification, 1921.

Class.	Domestic.		Draft.	Total		Freight carried.	Passengers.
	Arrivals.	Departures.		Number.	Net tonnage.		
			Feet.				
Steamers	195	195	5-7	390	124,020	564	2,215
Other vessels[1]							
Total	195	195		390	124,020	564	2,215

[1] A number of small motor boats are used for fishing and pleasure.

CLAIBORNE HARBOR, ME.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1899	53,480	(1)	(1)	1912	108,278	$9,057,619	97,987
1902	85,460	(1)	(1)	1913	107,564	9,075,385	112,034
1903	89,613	(1)	(1)	1914	25,726	1,909,839	115,735
1904	90,435	(1)	(1)	1915	21,900	1,502,780	84,139
1905	93,603	$3,462,937	(1)	1916	20,827	1,985,099	75,249
1906	91,957	3,461,714	(1)	1917	21,004	2,322,200	82,020
1907	93,794	7,250,456	(1)	1918	16,153	1,737,594	80,232
1908	103,173	7,975,500	(1)	1919	15,846	2,535,780	77,919
1909	104,201	8,855,948	(1)	1920	18,355	2,954,663	68,787
1910	105,349	8,943,932	88,874	1921	11,440	1,941,935	65,735
1911	105,511	8,966,291	89,096				

[1] No statistics available.

[Navigation season, Jan. 1, 1921 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS, INTERNAL.						
						Miles.
Vegetable food products: Grain products		1,007	1,007	$40,280	$40,280	44
Wood and paper: Lumber	65		65	1,528	1,528	44
Nonmetallic minerals: Coal, anthracite	128		128	1,312	1,312	44
Chemicals: Fertilizer		882	882	22,050	22,050	44
Miscellaneous: General merchandise		7,084	7,084	1,416,800	1,416,800	44
Total	193	8,973	9,166		1,481,970	

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CLAIBORNE HARBOR, MD.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
SHIPMENTS, INTERNAL.						*Miles.*
Animals and animal products			1,172		$360,855	
Fish, fresh		213		$34,080		44
Oysters, shucked		438		131,400		44
Poultry		521		195,375		44
Vegetable food products			930		64,710	
Agricultural products		646		41,990		44
Canned goods		284		22,720		44
Miscellaneous: General merchandise		172	172	34,400	34,400	44
Total		2,274	2,274		459,965	
Total receipts and shipments, internal	193	11,247	11,440		1,941,935	

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	1,172	$360,855
Vegetable food products	1,937	104,990
Wood and paper	65	1,528
Nonmetallic minerals	128	1,312
Chemicals	882	22,050
Miscellaneous	7,256	1,451,200
Total	11,440	1,941,935

This is a decreased tonnage of 7,415 under that reported for 1920.

Vessel classification, 1921.

Class.	Domestic.		Draft.	Total		Freight carried.	Passengers.
	Arrivals.	Departures.		Number.	Net tonnage.		
			Feet.				
Steamers	455	455	7-9	910	629,720	11,440	65,735
Other vessels[1]							
Total	455	455		910	629,720	11,440	65,735

[1] A number of small motor boats are used for pleasure.

TILGHMAN ISLAND HARBOR, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1912	26,201	$767,762	6,000	1917	16,710	$673,768	3,419
1913	25,185	988,434	6,030	1918	20,493	631,770	3,140
1914	20,333	554,937	5,019	1919	15,854	871,875	3,443
1915	19,546	499,820	4,480	1920	16,721	845,974	3,015
1916	19,918	653,765	3,993	1921	2,610	356,663	2,066

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TILGHMAN ISLAND HARBOR, MD.—continued.

[Navigation season, Mar. 1, 1921, to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Class and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	*Cents.*
Oysters, in shell	92		92	$1,380	$1,380	20	0.11
Vegetable food products			115		4,490		
Hay		11		330		60	(1)
Grain products		104		4,160		60	(1)
Wood and paper			88		2,188		
Boxes, wooden		80		2,000		60	.05
Lumber	8			188		60	(1)
Nonmetallic minerals			401		2,500		
Coal, anthracite	313			1,722		60	.02
Coal, bituminous	60			330		60	(1)
Salt		28		448		60	.02
Chemicals: Fertilizer	10	89	99	2,475	2,475	60	.03
Miscellaneous: General merchandise		620	620	124,000	124,000	60	(1)
Total	483	932	1,415		137,033		
SHIPMENTS, INTERNAL.							
Animals and animal products			613		178,335		
Fish, fresh		141		22,560		60	(1)
Oysters, shucked		283		84,900		60	(1)
Poultry		189		70,875		60	(1)
Vegetable food products			565		37,895		
Agricultural products		212		13,780		60	(1)
Canned goods		188		15,040		60	.02
Wheat	165			9,075		60	.04
Miscellaneous: General merchandise		17	17	3,400	3,400	60	(1)
Total	165	1,030	1,195		219,630		
Total receipts and shipments, internal	648	1,962	2,610		356,663		

[1] Unobtainable.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	705	$179,715
Vegetable food products	680	42,385
Wood and paper	88	2,188
Nonmetallic minerals	401	2,500
Chemicals	99	2,475
Miscellaneous	637	127,400
Total	2,610	356,663

This is a decreased tonnage of 14,111 under that reported for 1920.

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TILGHMAN ISLAND HARBOR, MD.—continued.

Vessel classification, 1921.

Class.	Domestic.		Draft.	Total.		Freight carried.	Passengers.
	Arrivals.	Departures.		Number.	Net tonnage.		
			Feet.				
Steamers	208	208	6-9	416	220,896	1,782	2,066
Sailing vessels	14	5	1-5	19	443	828	.....
Other vessels[1]	.....	.....	.....	.....	.....	.....	.....
Total	222	213	.....	435	221,339	2,610	2,066

[1] A number of small motor boats are engaged in fishing and oystering.

TRED AVON RIVER, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1912	36,532	$1,160,540	12,500	1917	26,072	$1,155,275	9,611
1913	28,884	1,140,880	12,563	1918	19,295	1,067,906	6,176
1914	13,375	768,564	10,892	1919	20,477	2,165,478	9,175
1915	25,872	936,060	11,687	1920	23,826	2,137,572	7,309
1916	27,988	956,610	10,194	1921	21,148	1,371,500	6,074

[Navigation season, Mar. 1, 1921, to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	*Cents.*
Oysters, in shell	4,150	.....	4,150	$53,310	$53,310	5	(1)
Vegetable food products	.....	.....	670	.....	18,096	.....	.....
Grain products	.....	302	.....	12,080	.....	74	(1)
Hay	.....	54	.....	1,620	.....	74	(1)
Tomatoes	.....	314	.....	4,396	.....	5	0.48
Wood and paper	.....	.....	472	.....	11,325	.....	.....
Barrels	.....	7	.....	397	.....	40	.26
Lumber	465	.....	.....	10,928	.....	73	.20
Nonmetallic minerals	.....	.....	3,983	.....	26,873	.....	.....
Bricks, building	433	.....	.....	3,031	.....	72	.01
Coal, anthracite	347	.....	.....	3,557	.....	70	.01
Coal, bituminous	2,631	.....	.....	14,471	.....	72	.02
Oil, gasoline	.....	15	.....	774	.....	75	(1)
Gravel	60	.....	.....	84	.....	70	.01
Lime, agricultural	77	.....	.....	462	.....	11	.09
Lime, building	.....	1	.....	10	.....	70	.06
Lime, shell	312	.....	.....	1,872	.....	15	(1)
Salt	.....	7	.....	112	.....	70	.03
Stone vaults	.....	100	.....	2,500	.....	75	(1)
Ores, metals, and manufactures	.....	.....	129	.....	13,150	.....	.....
Engines	.....	1	.....	300	.....	70	.07
Kettles	.....	1	.....	26	.....	70	.03
Tanks	.....	4	.....	380	.....	70	.13
Boilers	.....	12	.....	1,344	.....	70	.02
Cans, empty	.....	111	.....	11,100	.....	70	.03
Machinery and vehicles: Machinery	.....	7	7	1,750	1,750	70	.04
Chemicals: Fertilizer	1,553	278	1,831	45,525	45,525	73	.02
Miscellaneous: General merchandise	.....	2,437	2,437	487,400	487,400	74	(1)
Total	10,028	3,651	13,679	.....	657,429	.....	.....

[1] Unobtainable.

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TRED AVON RIVER, MD.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTERNAL.						*Miles.*	*Cents.*
Animals and animal products			2,025		$451,503		
Fish, fresh		265		$42,400		74	(1)
Oysters, in shell	230			3,450		65	0.02
Oysters, shucked		532		159,600		74	(1)
Oyster shells	30			30		5	.30
Oyster shells, crushed		319		2,648		40	.05
Poultry		649		243,375		74	(1)
Vegetable food products			5,151		228,435		
Agricultural products		502		32,630		74	(1)
Canned goods		393		31,440		72	.02
Corn	400			10,800		75	(1)
Mill products		139		5,560		74	(1)
Vegetables		2,160		64,800		75	(1)
Wheat	1,422			78,210		73	.03
Grain	135			4,995		65	.03
Wood and paper: Boxes, wooden		4	4	100	100	70	.28
Nonmetallic minerals: Lime, agricultural	118		118	708	708	27	.11
Chemicals: Fertilizer		5	5	125	125	7	.14
Miscellaneous: General merchandise		166	166	33,200	33,200	74	(1)
Total	2,335	5,134	7,469		714,071		
Total receipts and shipments, internal	12,363	8,785	21,148		1,371,500		

[1] Unobtainable.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	6,175	$504,813
Vegetable food products	5,821	246,531
Wood and paper	476	11,425
Nonmetallic minerals	4,101	27,581
Ores, metals, and manufactures	129	13,150
Machinery and vehicles	7	1,750
Chemicals	1,836	45,650
Miscellaneous	2,603	520,600
Total	21,148	1,371,500

This is a decreased tonnage of 2,678 under that reported for 1920.

Vessel classification, 1921.

Class.	Domestic.		Draft.	Total.		Freight carried.	Passengers.
	Arrivals.	Departures.		Number.	Net tonnage.		
			Feet.				
Steamers	208	208	6-9	416	220,896	5,757	6,074
Power boats	84	45	2-5	129	3,096	6,028	
Sailing vessels	93	39	1-7	132	5,030	8,508	
Lighters	6		4-7	6	846	855	
Other vessels [1]							
Total	391	292		683	229,868	21,148	6,074

[1] A number of small sail and motor boats are used for fishing, oystering, and pleasure.

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LA TRAPPE RIVER, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1894	20,628	$704,950	(1)	1909	15,394	$1,045,114	(1)
1895	20,628	704,950	(1)	1910	15,549	1,055,966	898
1897	13,958	431,619	(1)	1911	18,530	1,115,099	900
1898	7,411	196,430	(1)	1912	18,368	1,074,680	910
1899	12,593	266,950	(1)	1913	19,986	1,141,808	915
1900	8,099	267,755	(1)	1914	8,356	371,242	978
1902	11,241	294,530	(1)	1915	6,949	340,750	761
1903	11,466	300,422	(1)	1916	6,478	379,160	524
1904	13,601	303,426	(1)	1917	5,829	297,362	431
1905	13,848	480,437	(1)	1918	6,162	362,685	(1)
1906	13,588	523,681	(1)	1919	6,282	433,150	(1)
1907	13,859	875,218	(1)	1920	6,955	359,518	(1)
1908	15,244	962,646	(1)	1921	2,317	110,520	(1)

[1] No statistics available.

[Navigation season, Mar. 1, 1921, to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
						Miles.	*Cents.*
Animals and animal products: Oyster shells	30	.....	30	$30	$30	5	0.30
Nonmetallic minerals: Lime, agricultural	.....	23	23	138	138	5	.20
Ores, metals, and manufactures: Cans, empty	.....	140	140	14,000	14,000	75	.04
Chemicals: Fertilizer	.....	273	273	6,225	6,225	40	.11
Total	30	436	466	.....	20,393	.....	.....
SHIPMENTS, INTERNAL.							
Vegetable food products	.....	.....	1,851	.....	90,127	.....	.....
Corn	174	.....	.....	4,698	.....	75	.03
Tomatoes	.....	166	.....	2,324	.....	15	.20
Wheat	1,511	.....	.....	83,105	.....	75	.03
Total	1,685	166	1,851	.....	90,127	.....	.....
Total receipts and shipments, internal	1,715	602	2,317	.....	110,520	.....	.....

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	30	$30
Vegetable food products	1,851	90,127
Nonmetallic minerals	23	138
Ores, metals, and manufactures	140	14,000
Chemicals	273	6,225
Total	2,317	110,520

This is a decreased tonnage of 4,638 under that reported for 1920.

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LA TRAPPE RIVER, MD.—continued.

Vessel classification, 1921.

Class.	Domestic.		Draft.	Total.		Freight carried.
	Arrivals.	Departures.		Number.	Net tonnage.	
			Feet.			
Power boats		3	1-3	3	21	48
Sailing vessels	8	24	2-6	32	1,796	2,103
Lighters		5	3-6	5	125	166
Other vessels [1]						
Total	8	32		40	1,942	2,317

[1] A number of small motor boats are used for fishing and pleasure.

CHOPTANK RIVER, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1894	13,962	$632,517	(1)	1908	233,916	$17,743,390	(1)
1895	23,532	614,248	(1)	1909	234,920	19,357,086	(1)
1896	17,183	647,893	(1)	1910	237,273	19,551,188	59,490
1897	21,694	683,871	(1)	1911	252,502	19,803,144	59,639
1898	19,012	715,872	(1)	1912	252,937	19,368,649	60,235
1899	21,399	1,040,957	(1)	1913	243,749	19,790,784	60,536
1900	157,094	3,352,710	(1)	1914	48,712	3,712,196	47,597
1901	(1)	(1)	(1)	1915	49,586	2,540,465	33,810
1902	172,803	3,687,981	(1)	1916	57,845	3,262,600	30,211
1903	208,367	4,696,452	(1)	1917	50,657	3,111,420	29,544
1904	210,447	4,743,416	(1)	1918	41,141	2,701,530	28,960
1905	212,725	8,705,244	(1)	1919	35,543	3,566,670	26,583
1906	208,496	8,883,285	(1)	1920	30,174	2,902,583	23,599
1907	212,661	16,130,830	(1)	1921	14,555	1,923,446	16,366

[1] No statistics available.

[Navigation season, Mar. 1, 1921 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	*Cents.*
Vegetable food products			498		$18,860		
Grain products		392		$15,680		115	(1)
Hay		106		3,180		115	(1)
Wood and paper: Lumber	1,652		1,652	38,822	38,822	78	0.01
Nonmetallic minerals			1,416		10,658		
Bricks, building	720			5,040		40	.02
Coal, anthracite	91			933		115	(1)
Coal, bituminous	559			3,075		100	.03
Oil, petroleum		46		1,610		115	(1)
hemicals: Fertilizer		765	765	19,125	19,125	95	.01
Miscellaneous: General merchandise		5,392	5,392	1,078,400	1,078,400	115	(1)
Total	3,022	6,701	9,723		1,165,865		

[1] Unobtainable.

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CHOPTANK RIVER, MD.—continued.

DOMESTIC—Continued.

Class and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTERNAL.						*Miles.*	*Cents.*
Animals and animal products			1,624		$520,670		
Fish, fresh		242		$338,720		115	(1)
Oysters, shucked		484		145,200		115	(1)
Poultry		808		336,750		115	(1)
Vegetable food products			2,808		190,827		
Agricultural products		1,688		109,720		115	(1)
Canned goods		814		65,120		115	(1)
Corn	6			162		20	(1)
Grain products		375		15,000		115	(1)
Wheat	15			825		20	(1)
Wood and paper: Cordwood	81		81	284	284	115	(1)
Miscellaneous: General merchandise		229	229	45,800	45,800	115	(1)
Total	102	4,730	4,832		757,581		
Total receipts and shipments, internal	3,124	11,431	14,555		1,923,446		

[1] Unobtainable.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	1,624	$520,670
Vegetable food products	3,396	209,687
Wood and paper	1,733	39,106
Nonmetallic minerals	1,416	10,658
Chemicals	765	19,125
Miscellaneous	5,621	1,124,200
Total	14,555	1,923,446

This is a decreased tonnage of 15,619 under that reported for 1920.

Vessel classification, 1921.

Class.	Domestic.		Draft.	Total		Freight carried, tons.	Passengers.
	Arrivals.	Departures.		Number.	Net tonnage.		
			Feet.				
Steamers	208	208	6-9	416	220,896	11,311	16,366
Power boats	1		3-6	1	28	73	
Sailing vessels	22	5	2-7	27	1,565	3,171	
Other vessels [1]							
Total	231	213		444	222,489	14,555	16,366

[1] A large number of small motor and sail boats are used for fishing, oystering, and pleasure.

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TUCKAHOE RIVER, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1911	(1)	(1)	(1)	1917	1,110	$103,902	150
1912	6,546	$455,600	500	1918	1,191	212,900	(1)
1913	6,579	457,058	503	1919	1,422	154,500	(1)
1914	3,161	234,144	377	1920	830	73,725	(1)
1915	2,208	171,415	326	1921	(1)	.....	.....
1916	1,978	178,105	187				

[1] No statistics available for 1920. The abandonment, by Draper & Slaughter, of their cannery at New Bridge, has resulted in the loss of the only remaining industry on the waterway that was interested in the commercial development of Tuckahoe River.

WARWICK RIVER, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1894	50,808	$1,240,300	(1)	1908	67,346	$3,441,326	(1)
1895	(1)	(1)	(1)	1909	68,017	3,618,998	(1)
1896	3,617	140,937	(1)	1910	68,595	3,651,084	3,899
1897	3,709	126,289	(1)	1911	73,056	3,719,623	3,909
1898	4,214	138,414	(1)	1912	75,960	3,811,252	3,950
1899	4,133	211,587	(1)	1913	72,833	3,776,030	3,970
1900	52,791	1,095,947	(1)	1914	5,876	399,020	3,027
1901	(1)	(1)	(1)	1915	8,541	383,670	2,760
1902	58,070	1,205,542	(1)	1916	8,649	523,460	2,120
1903	65,206	1,517,578	(1)	1917	8,334	428,264	1,682
1904	65,858	1,532,754	(1)	1918	7,948	575,140	1,680
1905	66,631	1,943,178	(1)	1919	7,481	688,080	1,260
1906	60,027	2,431,286	(1)	1920	4,024	995,484	840
1907	61,225	3,129,022	(1)	1921	2,167	255,847	860

[1] No statistics available.

[Navigation season, Mar. 1, to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons.			Value.		Average haul.
	By commodities.		By classes.	By commodities.	By classes.	
	Bulk.	Package.				
RECEIPTS, INTERNAL.						
Animals and animal products: Oysters, in shell	800	.....	800	$12,000	$12,000	*Miles.* 20
Vegetable food products: Grain products	.....	36	36	1,440	1,440	108
Wood and paper: Lumber	4	.....	4	94	94	108
Nonmetallic minerals: Coal, anthracite	12	.....	12	123	123	108
Ores, metals, and manufactures: Cans, empty	.....	131	131	13,100	13,100	79
Chemicals: Fertilizer	.....	42	42	1,050	1,050	108
Miscellaneous: General merchandise	.....	519	519	103,800	103,800	108
Total	816	728	1,544	.....	131,607	.....

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WARWICK RIVER, MD.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons.			Value.		Average haul.
	By commodities.		By classes.	By commodities.	By classes.	
	Bulk.	Package.				
SHIPMENTS, INTERNAL.						*Miles.*
Animals and animal products			293		$95,640	
Fish, fresh		39		$6,240		108
Oysters, shucked		78		23,400		108
Poultry		176		66,000		108
Vegetable food products			264		15,400	
Agricultural products		104		6,760		108
Canned goods		72		5,760		108
Strawberries		13		1,950		79
Tomatoes		45		630		8
Watermelons		30		300		79
Miscellaneous: General merchandise		66	66	13,200	13,200	108
Total		623	623		124,240	
Total receipts and shipments, internal	816	1,351	2,167		255,847	

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	1,098	$107,640
Vegetable food products	300	16,840
Wood and paper	4	94
Nonmetallic minerals	12	123
Ores, metals, and manufactures	131	13,100
Chemicals	42	1,050
Miscellaneous	585	117,000
Total	2,167	255,847

This is a decreased tonnage of 1,857 under that reported for 1921.

Vessel classification, 1921.

Class.	Domestic.		Draft.	Total.		Freight carried, tons.	Passengers.
	Arrivals.	Departures.		Number.	Net tonnage.		
			Feet.				
Steamers	208	208	6–9	416	220,896	1,148	860
Power boats	44		1–4	44	516	898	
Sailing vessels	1	2	2–5	3	93	121	
Other vessels [1]							
Total	253	210		463	221,505	2,167	860

[1] A number of small motor boats are used for fishing and pleasure.

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CAMBRIDGE HARBOR, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1902	85,991	$1,355,733	(1)	1912	217,347	$12,543,781	22,062
1903	101,552	1,966,685	(1)	1913	237,789	11,927,232	98,240
1904	102,568	1,986,352	(1)	1914	79,211	1,689,552	24,480
1905	108,697	4,238,575	(1)	1915	87,384	1,631,616	24,281
1906	101,662	4,211,330	(1)	1916	88,367	2,064,460	22,905
1907	103,693	8,796,912	(1)	1917	90,296	2,406,333	22,533
1908	66,703	2,227,659	(1)	1918	66,163	2,287,520	22,567
1909	155,195	10,772,532	(1)	1919	67,388	4,589,305	19,185
1910	116,343	10,880,074	26,725	1920	78,672	3,098,665	17,146
1911	122,176	10,955,859	26,992	1921	39,753	1,335,464	13,190

[1] No statistics available.

[Navigation season, Jan. 1 to Dec. 1, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons.			Value.		Average haul.	Rate per ton-mile.
	By commodities.		By classes.	By commodities.	By classes.		
	Bulk.	Package.					
RECEIPTS, INTERNAL.						*Miles.*	*Cents.*
Animals and animal products			15,704		$203,429		
Fish, fresh	25			$4,000		15	(1)
Oysters, in shell	13,125			196,875		15	(1)
Oyster shells	2,554			2,554		15	(1)
Vegetable food products			3,352		61,401		
Corn		6		162		20	(1)
Grain products		514		20,560		100	(1)
Hay		26		780		100	(1)
Tomatoes		2,791		39,074		87	0.17
Wheat		15		825		20	(1)
Wood and paper: Lumber	279		279	6,557	6,557	100	(1)
Nonmetallic minerals			10,633		55,976		
Coal, anthracite	208			2,132		85	(1)
Coal, bituminous	9,529			52,410		70	.08
Stone, crushed	896			1,434		95	.02
Chemicals: Fertilizer		176	176	4,400	4,400	100	(1)
Miscellaneous: General merchandise		3,652	3,652	730,400	730,400	100	(1)
Total	26,616	7,180	33,796		1,062,163		
SHIPMENTS, INTERNAL.							
Animals and animal products			2,278		96,689		
Fish, fresh		134		21,440		100	(1)
Oysters, shucked		238		71,400		100	(1)
Oyster shells	1,900			3,800		70	(1)
Oyster shells, crushed		6		49		11	.09
Vegetable food products			1,475		98,380		
Agricultural products		376		24,440		100	(1)
Canned goods		717		57,360		100	(1)
Feed		150		5,100		35	(1)
Flour		40		3,800		35	(1)
Grain products		192		7,680		100	(1)
Wood and paper			602		14,213		
Barrels		2		113		11	.45
Lumber	600			14,100		20	(1)
Nonmetallic Minerals			1,328		9,219		
Bricks, building	1,251			8,757		61	.02
Lime, agricultural		77		462		11	.09
Miscellaneous: General merchandise		274	274	54,800	54,800	100	(1)
Total	3,751	2,206	5,957		273,301		
Total receipts and shipments, internal	30,367	9,386	39,753		1,335,464		

[1] Unobtainable.

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CAMBRIDGE HARBOR, MD.—continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	17,982	$300,118
Vegetable food products	4,827	159,781
Wood and paper	881	20,770
Nonmetallic minerals	11,961	65,195
Chemicals	176	4,400
Miscellaneous	3,926	785,200
Total	39,753	1,335,464

This is a decreased tonnage of 38,919 under that reported for 1920.

Vessel classification, 1921.

Class.	Domestic.		Draft.	Total		Freight carried, tons.	Passengers.
	Arrivals.	Departures.		Number.	Net tonnage.		
			Feet.				
Steamers	208	208	6-9	416	220,896	6,499	13,190
Power boats	55	6	1-5	61	1,167	2,195	.....
Sailing vessels	411	40	1-7	451	14,747	28,276	.....
Lighters	8	.....	2-8	8	548	1,062	.....
Other vessels [1]	.....	.....	.....	.....	.....	1,721	.....
Total	682	254	.....	936	237,358	39,753	13,190

[1] A large number of small motor and sail boats are used for oystering and fishing.

SLAUGHTER CREEK, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1912	19,375	$457,397	(1)	1917	14,642	$1,242,083	15,360
1913	16,612	606,450	(1)	1918	19,783	1,435,350	15,700
1914	31,390	1,536,060	6,500	1919	17,749	2,657,850	14,500
1915	22,800	1,156,350	13,000	1920	19,852	2,327,402	12,000
1916	20,755	1,224,318	12,480	1921	12,583	1,338,802	10,710

[1] No statistics available.

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SLAUGHTER CREEK, MD.—continued.

[Navigation season, Mar. 1, 1921, to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS, INTERNAL.						*Miles.*
Vegetable food products: Feed		35	35	$1,190	$1,190	65
Ores, metals, and manufactures: Cans, empty		128	128	12,800	12,800	65
Miscellaneous: General merchandise		4,000	4,000	800,000	800,000	75
Total		4,163	4,163		813,990	
SHIPMENTS, INTERNAL.						
Animals and animal products			1,675		28,875	
Crabs, hard		75		4,875		65
Oysters, in shell	1,600			24,000		65
Vegetable food products		335	335		50,700	
Canned goods		335		26,800		65
Grain	200			7,400		65
Wheat	300			16,500		65
Wood and paper			3,910		45,237	
Cordwood	1,605			5,618		65
Lumber	1,534			36,049		34
Piling	771			3,570		65
Miscellaneous: General merchandise		2,000	2,000	400,000	400,000	65
Total	6,010	2,410	8,420		524,812	
Total receipts and shipments, internal	6,010	6,573	12,583		1,338,802	

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	1,675	$28,875
Vegetable food products	870	51,890
Wood and paper	3,910	45,237
Ores, metals, and manufactures	128	12,800
Miscellaneous	6,000	1,200,000
Total	12,583	1,338,802

This is a decreased tonnage of 7,269 under that reported for 1920.

Vessel classification, 1921.

Class.	Domestic.		Draft.	Total		Freight carried.	Passengers.
	Arrivals.	Departures.		Number.	Net tonnage.		
			Feet.				
Steamers	45	45	5-8	90	39,960	6,000	10,710
Power boats	2	32	2-6	34	852	1,487	
Sailing vessels	1	136	1-6	137	2,837	5,096	
Other vessels [1]							
Total	48	213		261	43,649	12,583	10,710

[1] Numerous small motor and sail boats are used for fishing and oystering.

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NANTICOKE RIVER, DEL. AND MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1896	17,049	$684,105	(1)	1910	136,569	$8,758,412	4,138
1897	17,015	682,694	(1)	1911	148,006	8,383,730	4,148
1898	18,121	659,031	(1)	1912	168,488	8,430,390	4,190
1899	17,221	732,962	(1)	1913	174,229	8,712,377	4,210
1900	87,467	1,029,004	(1)	1914	52,063	2,115,263	5,328
1902	96,214	1,131,904	(1)	1915	51,909	1,587,130	4,658
1903	119,068	2,008,570	(1)	1916	47,157	1,794,915	3,859
1904	120,229	2,028,656	(1)	1917	35,915	1,655,320	4,978
1905	121,769	4,274,804	(1)	1918	34,324	1,990,420	4,494
1906	119,348	4,351,380	(1)	1919	41,347	1,747,730	3,105
1907	121,733	7,274,180	(1)	1920	53,674	1,966,329	2,550
1908	132,842	7,740,155	(1)	1921	31,918	1,540,090	2,016
1909	135,241	8,702,054	(1)				

[1] No statistics available.

[Navigation season: Jan. 1, 1921, to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	*Cents.*
Oysters, in shell	760		760	$11,400	$11,400	47	(1)
Vegetable food products			318		12,280		
Grain products		274		10,960		135	(1)
Hay		22		660		135	(1)
Potatoes		22		660		10	(1)
Wood and paper			9,131		156,093		
Gum logs	2,917			10,064		168	0.04
Lumber	6,214			146,029		63	.06
Nonmetallic minerals			1,915		4,218		
Coal, anthracite	140			1,435		135	(1)
Coal, bituminous	175			963		168	.01
Gravel	1,000			1,400		135	(1)
Sand	600			420		135	(1)
Ores, metals, and manufactures			253		23,800		
Cans, empty		223		22,300		121	(1)
Nails		30		1,500		10	.24
Chemicals			5,937		134,237		
Ammonia, sulphate of		29		1,363		135	.01
Bone meal		10		350		135	.01
Fertilizer	3,500	890		109,750		73	.13
Fertilizer base		20		240		135	.01
Fish scrap		75		2,250		135	.01
Kainit		10		185		135	.01
Potash, muriate of		47		2,068		135	.01
Salt, manure		112		1,729		135	.01
Soda, nitrate of		33		1,550		135	.01
Tankage		82		3,362		135	.01
Acid phosphate	1,129			11,290		135	.01
Miscellaneous: General merchandise		2,272	2,272	454,400	454,400	135	(1)
Total	16,435	4,151	20,586		796,428		

[1] Unobtainable.

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NANTICOKE RIVER, DEL. AND MD.—continued.

DOMESTIC—Continued.

Class and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTERNAL.						*Miles.*	*Cents.*
Animals and animal products			2,308		$365,310		
Fish, fresh		175		328,000		135	(1)
Oysters, shucked		350		105,000		135	(1)
Oysters, in shell	64			960		30	0.16
Oyster shells	1,100			1,100		50	(1)
Poultry		614		230,250		135	(1)
Vegetable food products			2,881		188,000		
Agricultural products		1,246		80,990		135	(1)
Canned goods		1,354		101,320		135	(1)
Cantaloupes		18		540		30	.35
Grain products		84		3,360		135	(1)
Watermelons	179			1,790		125	.02
Wood and paper			5,451		56,314		
Box shooks		10		200		30	(1)
Cordwood	2,986			10,451		41	.06
Logs	600			2,070		91	(1)
Lumber	1,855			43,593		41	.11
Nonmetallic minerals			41		338		
Coal, anthracite	11			113		9	.22
Concrete blocks	30			225		90	.02
Machinery and vehicles: Machinery		50	50	12,500	12,500	50	.16
Miscellaneous: General merchandise		606	606	121,200	121,200	72	(1)
Total	6,825	4,507	11,332		743,662		
Total receipts and shipments, internal	23,260	8,658	31,918		1,540,090		

[1] Unobtainable.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	3,063	$376,710
Vegetable food products	3,199	200,280
Wood and paper	14,582	212,407
Nonmetallic minerals	1,956	4,556
Ores, metals, and manufactures	253	23,800
Machinery and vehicles	50	12,500
Chemicals	5,937	134,237
Miscellaneous	2,878	575,600
Total	31,918	1,540,090

This is a decreased tonnage of 21,756 under that reported for 1920.

Vessel classification, 1921.

Class.	Domestic.		Draft.	Total		Freight carried.	Passengers.
	Arrivals.	Departures.		Number.	Net tonnage.		
			Feet.				
Steamers	104	104	6-7	208	48,048	6,629	2,016
Power boats	5	15	1-6	20	405	747	.....
Sailing vessels	108	49	1-8	157	8,519	16,860	.....
Lighters	17	11	3-8	28	3,187	7,682	.....
Other vessels [1]	.....	.....	.....	.....	.....	.....	.....
Total	234	179	.....	413	60,159	39,918	2,016

[1] A number of small sail and motor boats are used for fishing and oystering.

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BROAD CREEK RIVER, DEL.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1898	25,668	$223,061	(1)	1914	30,561	$614,149	(1)
1899	17,976	170,856	(1)	1915	17,935	312,845	(1)
1906	29,090	618,650	(1)	1916	18,248	470,678	(1)
1907	26,353	278,149	(1)	1917	18,663	572,081	(1)
1908	28,480	444,512	(1)	1918	17,268	626,815	(1)
1911	31,201	250,735	300	1919	17,869	940,110	(1)
1912	25,498	186,656	400	1920	9,023	421,067	(1)
1913	33,686	665,992	(1)	1921	23,910	356,178	(1)

[1] No statistics available.

[Navigation season, Jan. 1, 1921, to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Class and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	*Cents.*
Wood and paper			16,613		$82,112		
Cordwood	1,500			$5,250		50	(1)
Logs	13,880			47,886		179	0.14
Lumber	1,233			28,976		65	.06
Nonmetallic minerals: Coal, anthracite	10		10	103	103	9	.02
Chemicals: Fertilizer	4,930	700	5,630	140,750	140,750	100	.05
Miscellaneous			652		106,730		
General merchandise		532		106,400		10	(1)
Shell dust	120			330		125	(1)
Total	21,673	1,232	22,905		329,695		
SHIPMENTS, INTERNAL.							
Vegetable food products: Potatoes		22	22	660	660	10	(1)
Wood and paper: Lumber	668		668	15,698	15,698	10	.08
Ores, metals, and manufactures: Nails, hinges, etc		30	30	3,000	3,000	10	.24
Chemicals: Fertilizer	285		285	7,125	7,125	16	.20
Total	953	52	1,005		26,483		
Total receipts and shipments, internal	22,626	1,284	23,910		356,178		

[1] Unobtainable.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Vegetable food products	22	$660
Wood and paper	17,281	97,810
Nonmetallic minerals	10	103
Ores, metals, and manufactures	30	3,000
Chemicals	5,915	147,875
Miscellaneous	652	106,730
Total	23,910	356,178

This is an increased tonnage of 14,877 over that reported for 1920.

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BROAD CREEK RIVER, DEL.—continued.

Vessel classification, 1921.

Class.	Domestic.		Draft.	Total.		Freight carried.
	Arrivals.	Departures.		Number.	Net tonnage.	
			Feet.			
Power boats	34	5	2-6	39	941	1,997
Sailing vessels	58	4	2-6	62	2,900	6,240
Barges	22	.....	5-9	22	5,544	12,880
Lighters	12	2	2-8	14	1,485	2,893
Other vessels [1]	.....	.....	.....	.....	.....	.....
Total	126	11	.....	137	10,870	23,910

[1] A number of small motor boats are used for fishing and pleasure.

TYASKIN (WETIPQUIN) CREEK, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1902	713	$30,459	(1)	1912	10,105	$207,765	533
1903	784	33,478	(1)	1913	3,692	133,466	536
1904	796	33,813	(1)	1914	3,987	134,188	408
1905	856	38,275	(1)	1915	6,334	194,440	575
1906	945	45,500	(1)	1916	6,781	195,250	441
1907	967	71,498	(1)	1917	8,107	307,235	527
1908	1,064	78,710	(1)	1918	8,751	415,242	1,003
1909	1,076	84,946	(1)	1919	7,789	606,100	328
1910	1,087	85,722	527	1920	3,815	190,840	139
1911	4,344	162,333	526	1921	909	122,713	203

[1] No statistics available.

[Navigation season, Mar. 1, 1921, to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS, INTERNAL.						*Miles.*
Vegetable food products: Grain products	.....	25	25	$1,000	$1,000	110
Wood and paper: Lumber	2	.....	2	47	47	110
Nonmetallic minerals: Coal, anthracite	5	.....	5	51	51	110
Chemicals: Fertilizer	.....	27	27	675	675	110
Miscellaneous: General merchandise	.....	126	126	25,200	25,200	110
Total	7	178	185	.....	26,973	.....
SHIPMENTS, INTERNAL.						
Animals and animal products	.....	.....	145	.....	49,630	.....
Fish, fresh	.....	13	.....	2,080	.....	110
Oysters, shucked	.....	26	.....	7,800	.....	110
Poultry	.....	106	.....	39,750	.....	110
Vegetable food products	.....	.....	543	.....	38,910	.....
Agricultural products	.....	302	.....	19,630	.....	110
Canned goods	.....	241	.....	19,280	.....	110
Miscellaneous: General merchandise	.....	36	36	7,200	7,200	110
Total	.....	724	724	.....	95,740	.....
Total receipts and shipments, internal	7	902	909	.....	122,713	.....

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TYASKIN (WETIPQUIN) CREEK, MD.—continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	145	$49,630
Vegetable food products	568	39,910
Wood and paper	2	47
Nonmetallic minerals	5	51
Chemicals	27	675
Miscellaneous	162	32,400
Total	909	122,713

This is a decreased tonnage of 2,906 under that reported for 1920.

Vessel classification, 1921.

Class.	Domestic.		Draft.	Total		Freight carried.	Passengers.
	Arrivals.	Departures.		Number.	Net tonnage.		
			Feet.				
Steamers	104	104	6–7	208	48,048	909	203
Other vessels [1]							
Total	104	104		208	48,048	909	203

[1]. There are a number of small motor and sail boats used for fishing and oystering, besides which the creek is used as a harbor of refuge in rough weather by oystermen.

WICOMICO RIVER, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1894	108,368	$2,044,332	(1)	1909	224,983	$17,000,080	(1)
1895	69,808	981,616	(1)	1910	227,428	17,170,640	9,164
1896	122,539	1,765,784	(1)	1911	362,545	18,729,665	9,187
1897	147,273	2,467,729	(1)	1912	266,228	18,108,422	9,230
1898	259,340	2,781,482	(1)	1913	381,940	18,652,356	9,326
1899	252,292	4,028,018	(1)	1914	75,791	1,811,967	11,293
1900	14,710	922,493	(1)	1915	96,253	2,717,635	9,495
1902	168,226	3,929,555	(1)	1916	98,400	3,366,200	10,786
1903	197,306	4,713,955	(1)	1917	77,115	3,105,022	12,000
1904	199,279	4,761,095	(1)	1918	61,137	2,938,230	8,837
1905	202,510	7,409,179	(1)	1919	71,544	3,817,345	9,795
1906	198,451	7,422,620	(1)	1920	61,603	3,155,801	6,993
1907	202,416	14,044,966	(1)	1921	84,052	4,282,712	7,461
1908	222,657	15,449,526	(1)				

[1] No statistics available.

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WICOMICO RIVER, MD.—continued.

[Navigation season, Jan. 1, to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
COASTWISE RECEIPTS.						*Miles.*	*Cents.*
Chemicals: Fish scrap	1,000		1,000	$30,000	$30,000	295	0.01
RECEIPTS, INTERNAL.							
Animals and animal products:							
Oyster shells	1,100		1,100	1,100	1,100	50	(1)
Vegetable food products			781		39,432		
Feed		178		6,052		150	(1)
Hay		125		3,750		150	(1)
Mill products		378		15,120		150	(1)
Sugar		100		14,500		210	(1)
Wood and paper			12,733		293,296		
Cordwood	1,000			3,500		50	.02
Laths		420		23,940		148	.02
Lumber	11,313			265,856		130	.04
Nonmetallic minerals			18,458		61,715		
Bricks, building	280			1,960		150	.01
Cement		1,984		23,808		135	(1)
Coal, anthracite	94			964		150	(1)
Coal, bituminous	2,240			12,320		189	.01
Gravel	6,750			9,450		140	(1)
Oil, petroleum		55		1,925		150	(1)
Stone, crushed	7,055			11,288		150	(1)
Ores, metals and manufactures			213		20,640		
Cans, empty		191		19,100		155	.02
Sheet steel		22		1,540		136	(1)
Machinery and vehicles: Machinery		50	50	12,500	12,500	50	.16
Chemicals			27,183		658,648		
Acid phosphate	14,320			143,200		150	.01
Ammonia, sulphate of	5,244			246,468		143	(1)
Bone meal	1,500			52,500		150	.01
Fertilizer		519		12,575		150	(1)
Fish scrap		1,180		35,400		55	.04
Kainit	769	600		25,327		150	.01
Potash, muriate of		1,562		68,728		150	.01
Soda, nitrate of		1,489		74,450		150	.01
Miscellaneous: General merchandise		7,782	7,782	1,556,400	1,556,400	150	.02
Total	51,665	16,635	68,300		2,643,731		
SHIPMENTS, INTERNAL.							
Animals and animal products			1,261		407,390		
Fish, fresh		179		28,640		150	(1)
Oysters, shucked		360		108,000		150	(1)
Poultry		722		270,750		150	(1)
Vegetable food products			2,509		163,120		
Agricultural products		1,174		76,310		150	(1)
Canned goods		855		68,400		150	(1)
Mill products		401		16,040		150	(1)
Potatoes		79		2,370		150	(1)
Wood and paper			998		22,196		
Cordwood	188			658		20	.10
Crates		150		6,000		55	.07
Lumber	650			15,275		40	.05
Shingles		10		263		50	(1)
Chemicals: Fertilizer		1,553	1,553	38,825	38,825	76	.03
Miscellaneous			8,431		977,450		
Building material	2,050	3,200		341,250		78	.05
General merchandise		3,181		636,200		106	.03
Total	2,888	11,864	14,752		1,608,981		
Total receipts and shipments, internal	54,553	28,499	83,052		4,252,712		

[1] Unobtainable.

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WICOMICO RIVER, MD.—continued.

SUMMARY.

Classes of commodities.	Domestic.					
	Coastwise.		Internal.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			2,361	$408,490	2,361	$408,490
Vegetable food products			3,290	202,552	3,290	202,552
Wood and paper			13,731	315,492	13,731	315,492
Nonmetallic minerals			18,458	61,715	18,458	61,715
Ores, metals and manufactures			213	20,640	213	20,640
Machinery and vehicles			50	12,500	50	12,500
Chemicals	1,000	$30,000	28,736	697,473	29,736	727,473
Miscellaneous			16,213	2,533,850	16,213	2,533,850
Total	1,000	30,000	83,052	4,252,712	84,052	4,282,712

This is an increased tonnage of 22,449 over that reported for 1920.

Vessel classification, 1921.

Class.	Domestic.		Draft.	Total		Freight carried.	Passengers.
	Arrivals.	Departures.		Number.	Net tonnage.		
Steamers	156	156	5-8	312	191,568	9,101	7,461
Power boats	104	102	1-6	206	8,685	10,749	
Sailing vessels	210	135	1-9	345	23,313	48,047	
Barges	7		3-8	7	2,644	4,300	
Lighters	46		3-8	46	6,486	11,855	
Other vessels [1]							
Total	523	393		916	232,696	84,052	7,461

[1] There are numerous small motor and sail boats used for fishing, oystering, and pleasure.

LOWER THOROUGHFARE AT OR NEAR WENONA, DEAL ISLAND, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1914	12,584	$217,030	1918	13,245	$456,100
1915	13,580	218,430	1919	12,056	523,650
1916	14,020	296,560	1920	10,205	468,131
1917	12,379	341,950	1921	10,192	455,181

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LOWER THOROUGHFARE, MD.—continued.

[Navigation season, Mar. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Class and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	*Cents.*
Animals and animal products			4,555		113,575		
Crabs, hard		905		58,825		10	(1)
Oysters, in shell	3,650			54,750		10	(1)
Wood and paper: Cordwood	901		901	3,154	3,154	24	0.09
Nonmetallic minerals: Coal, anthracite	280		280	2,870	2,870	53	.11
Total	4,831	905	5,736		119,599		
SHIPMENTS, INTERNAL.							
Animals and animal products			3,575		309,800		
Crabs, hard		375		24,375		90	.08
Crab meat		80		24,000		90	.31
Crabs, soft		375		159,375		90	.08
Fish, fresh		125		20,000		90	.06
Oysters, in shell	2,470			37,050		90	.16
Oysters, shucked		150		45,000		90	.23
Vegetable food products			881		25,782		
Beans		75		11,250		90	.03
Cantaloupes		3		90		90	.44
Potatoes		200		6,000		90	.03
Tomatoes		603		8,442		90	.03
Total	2,470	1,986	4,456		335,582		
Total receipts and shipments, internal	7,301	2,891	10,192		455,181		

[1] Unobtainable.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	8,130	$423,375
Vegetable food products	881	25,782
Wood and paper	901	3,154
Nonmetallic minerals	280	2,870
Total	10,192	455,181

This is a decreased tonnage of 13 tons under that reported for 1920.

Vessel classification, 1921.

Class.	Domestic.		Draft.	Total.		Freight carried, tons.
	Arrivals.	Departures.		Number.	Net tonnage.	
Power boats	16	38	1–5	54	590	1,230
Sailing vessels	158	174	1–8	332	4,300	8,962
Other vessels [1]						
Total	174	212		386	4,890	10,192

[1] Numerous small motor and sail boats are used for fishing and oystering.

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CRISFIELD HARBOR, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1906	30,265	$1,242,860	(1)	1914	320,190	$5,408,425	15,638
1907	30,738	2,197,350	(1)	1915	357,335	5,197,650	15,022
1908	102,982	8,221,918	(1)	1916	364,485	5,916,170	13,135
1909	104,027	9,125,978	(1)	1917	306,625	7,337,970	12,000
1910	105,064	9,217,006	14,905	1918	289,274	8,152,415	15,106
1911	239,627	11,920,560	14,912	1919	242,886	10,429,770	12,543
1912	106,475	9,332,449	15,091	1920	200,870	12,232,661	14,500
1913	300,194	12,921,288	15,176	1921	70,522	3,324,049	12,597

[1] No statistics available.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Class and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	*Cents.*
Animals and animal products			27,015		$1,086,119		
Clams	13			$1,170		15	(1)
Crabs, hard	320			20,800		21	(1)
Crabs, soft		609		258,825		21	(1)
Fish, fresh	1,858			297,280		26	(1)
Oysters in shell	23,603			354,045		34	0.18
Oysters, shucked		513		153,900		10	(1)
Oyster shells	99			99		11	(1)
Vegetable food products			5,660		281,228		
Beans		21		3,150		15	(1)
Fruit		5,296		264,800		115	(1)
Grain products		326		13,040		115	(1)
Tomatoes		17		238		15	(1)
Wood and paper			1,345		37,799		
Barrels		250		14,165		115	(1)
Cordwood	105			368		50	.04
Lumber	990			23,266		82	.04
Nonmetallic minerals			9,084		43,623		
Bricks, building		425		2,975		97	.01
Coal, anthracite	47			482		115	(1)
Coal, bituminous	7,112			39,116		101	.03
Sand	1,500			1,050		15	.03
Chemicals			2,630		106,110		
Ammonia, sulphate of		130		6,110		101	(1)
Fertilizer material	2,500			100,000		115	.02
Miscellaneous: General merchandise		4,104	4,104	820,800	820,800	115	(1)
Total	38,147	11,691	49,838		2,375,679		
SHIPMENTS, INTERNAL.							
Animals and animal products			4,556		700,024		
Cattle		2		290		11	(1)
Clams	3			270		115	(1)
Crabs, hard		153		9,180		63	(1)
Crabs, soft		30		12,750		115	(1)
Crab meat		12		3,600		115	(1)
Fish, fresh		561		89,760		63	(1)
Oysters in shell	1,194			17,910		63	(1)
Oysters, shucked		1,338		401,400		81	(1)
Oyster shells, crushed		842		6,989		115	.01
Poultry		421		157,875		115	(1)

[1] Unobtainable

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CRISFIELD HARBOR, MD.—continued.

DOMESTIC—Continued.

Class and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTERNAL—contd.						*Miles.*	*Cents.*
Vegetable food products			431		$23,102		
Agricultural products		211		$13,715		115	(1)
Beans and peas		1		132		11	(1)
Can goods		3		240		11	(1)
Feed		45		1,530		11	(1)
Grain products		126		5,040		115	(1)
Hay		30		900		11	(1)
Potatoes		2		60		11	(1)
Sugar		5		725		11	(1)
Flour		8		760		11	(1)
Textiles: Dry goods		2	2	1,120	1,120	11	(1)
Wood and paper			820		46,327		
Barrels		761		43,118		13	(1)
Boxes, crab		40		3,000		15	(1)
Cordwood	12			42		11	(1)
Lumber	6			141		11	(1)
Shingles		1		26		11	(1)
Nonmetallic minerals			1,997		13,335		
Coal, anthracite	97			994		13	0.17
Cement		20		240		11	(1)
Lime, shell	1,097	765		11,172		130	(1)
Oil, gasoline		18		929		11	(1)
Ores, metals, and manufactures			3		300		
Cans, empty		2		200		11	(1)
Hardware		1		100		11	(1)
Machinery and vehicles: Machinery		3	3	750	750	11	(1)
Chemicals: Fertilizer		2,500	2,500	62,500	62,500	40	.03
Miscellaneous			10,372		100,912		
Building material	50			3,250		14	(1)
General merchandise		302		60,400		38	(1)
Groceries		16		7,250		13	(1)
Ice	10,004			30,012		20	.08
Total	12,463	8,221	20,684		948,370		
Total receipts and shipments, internal	50,610	19,912	70,522		3,324,049		

[1] Unobtainable.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	31,571	$1,786,143
Vegetable food products	6,091	304,330
Textiles	2	1,120
Wood and paper	2,165	84,126
Nonmetallic minerals	11,081	56,958
Ores, metals, and manufactures	3	300
Machinery and vehicles	3	750
Chemicals	5,130	168,610
Miscellaneous	14,476	921,712
Total	70,522	3,324,049

This is a decreased tonnage of 130,348 under that reported for 1920.

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CRISFIELD HARBOR, MD.—continued.

Vessel classification, 1921.

Class.	Domestic.		Draft.	Total.		Freight carried.	Passengers.
	Arrivals.	Departures.		Number.	Net tonnage.		
			Feet.				
Steamers	312	312	5-7	624	303,264	12,441	12,597
Power boats	155	463	1-5	618	12,599	19,691	.....
Sailing vessels	384	69	1-8	453	15,048	32,139	.....
Lighters	10	5	3-8	15	2,115	2,250	.....
Other vessels [1]	.....	.....	.....	.....	.....	4,001	.....
Total	861	849	.....	1,710	333,026	70,522	12,597

[1] A number of small motor and sail boats are used for fishing and oystering.

Crisfield is a subport of entry of the port of Baltimore, and in 1921 the vessels documented were as follows:

Class.	Number.	Tons.
Sailing vessels	327	6,190
Gasoline boats	81	1,435
Barges	2	374
Gasoline yachts	2	34
Total	412	8,033

There were 8 gasoline boats with a gross tonnage of 239, estimated cost $32,600, and 1 gasoline boat with a gross tonnage of 24, estimated cost unknown, built in 1921.

BROAD CREEK, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1913	56,632	$1,136,800	1918	42,007	$1,426,775
1914	40,026	944,450	1919	35,096	1,692,800
1915	13,503	314,300	1920	33,680	1,955,706
1916	23,338	463,020	1921	9,213	339,190
1917	29,180	800,000			

[Navigation season, Mar. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Commodities.	Amount in short tons.	Value.
CARGOES IN TRANSIT.		
Animals and animal products:		
Clams	13	$1,170
Crabs, hard	4	260
Crabs, soft	120	51,000
Fish, fresh	56	8,960
Oysters, in shell	8,520	127,800
Oysters, shucked	500	150,000
Total	9,213	339,190

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BROAD CREEK, MD.—continued.

Vessel classification, 1921.

Class.	Domestic.		Draft.	Total.		Freight carried, tons.
	Arrivals.	Departures.		Number.	Net tonnage.	
			Feet.			
Power boats	28	.....	1-5	28	522	996
Sailing vessels	72	.....	2-6	72	3,750	7,520
Other vessels	.....	.....	.....	.....	.....	697
Total	100	.....	.....	100	4,272	9,213

This is a waterway connecting Pocomoke Sound with Little Annemessex River. There are no landings on the waterway. It is used as a short cut between points on the Pocomoke Sound and river to Crisfield. There are no means of obtaining absolutely accurate figures of the commerce passing through the waterway, so that the above figures, obtained from shippers and receivers in Crisfield, are as accurate as can be gotten unless a tallyman is employed on the waterway, which is impractical.

POCOMOKE RIVER, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1896	32,076	$522,990	(1)	1910	75,199	$5,407,218	2,758
1897	31,728	608,991	(1)	1911	78,644	5,188,888	2,765
1898	45,742	1,325,924	(1)	1912	91,775	5,398,580	2,793
1899	50,866	1,644,021	(1)	1913	100,359	5,045,321	2,807
1900	183,429	1,779,270	(1)	1914	33,772	1,390,091	2,853
1902	47,733	1,409,504	(1)	1915	34,653	1,137,360	1,658
1903	245,568	2,302,288	(1)	1916	32,552	1,117,446	1,031
1904	246,223	2,314,411	(1)	1917	31,546	331,475	1,130
1905	67,165	2,953,090	(1)	1918	25,364	944,845	(1)
1906	65,710	3,022,840	(1)	1919	23,547	1,547,420	798
1907	67,024	4,532,782	(1)	1920	8,312	952,086	645
1908	73,727	4,986,058	(1)	1921	10,564	635,181	510
1909	74,459	5,354,154	(1)				

[1] No statistics available.

[Navigation season, Mar. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	*Cents.*
Vegetable food products	.....	.....	163	.....	$6,380	.....	.....
Grain products	.....	149	.....	$5,960	.....	150	(1)
Hay	.....	14	.....	420	.....	150	(1)
Wood and paper: Lumber	32	.....	32	752	752	150	(1)
Nonmetallic minerals: Coal, bituminous	101	.....	101	556	556	150	(1)
Chemicals	.....	.....	5,799	.....	126,475	.....	.....
Acid phosphate	3,000	.....	.....	30,000	.....	150	(1)
Fertilizer	.....	1,099	.....	27,475	.....	89	0.02
Fish scrap	.....	800	.....	24,000	.....	60	.04
Potash	300	300	.....	30,000	.....	150	.01
Soda, nitrate of	.....	300	.....	15,000	.....	150	.01
Miscellaneous: General merchandise	.....	1,058	1,058	211,600	211,600	150	(1)
Total	3,433	3,720	7,153	.....	345,763	.....	.....

[1] Unobtainable.

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POCOMOKE RIVER, MD.—continued.

DOMESTIC—Continued.

Class and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTERNAL.						*Miles.*	*Cents.*
Animals and animal products			579		$183,760		
Fish, fresh		91		$14,560		150	(1)
Oysters, shucked		184		55,200		150	(1)
Poultry		304		114,000		150	(1)
Vegetable food products			1,284		79,975		
Agricultural products		807		52,455		150	(1)
Canned goods		211		16,880		150	(1)
Grain products		266		10,640		150	(1)
Wood and paper			1,495		15,083		
Logs	1,000			3,450		95	(1)
Lumber	495			11,633		118	0.05
Miscellaneous: General merchandise		53	53	10,600	10,600	150	(1)
Total	1,495	1,916	3,411		289,418		
Total receipts and shipments, internal	4,928	5,636	10,564		635,181		

[1] Unobtainable.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	579	$183,760
Vegetable food products	1,447	86,355
Wood and paper	1,527	15,835
Nonmetallic minerals	101	556
Chemicals	5,799	126,475
Miscellaneous	1,111	222,200
Total	10,564	635,181

This is an increased tonnage of 2,252 over that reported for 1920.

Vessel classification, 1921.

Class	Domestic.		Draft.	Total		Freight carried.	Passengers.
	Arrivals.	Departures.		Number.	Net tonnage.		
			Feet.				
Steamers	52	52	5–7	104	25,584	3,598	510
Power boats	5		2–4	5	120	250	
Sailing vessels	37	8	1–8	45	2,794	5,473	
Lighters		5	3–8	8	635	1,243	
Other vessels [1]							
Total	94	65		159	29,133	10,564	510

[1] Numerous small motor boats are used for fishing and pleasure.

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TWITCH COVE AND BIG THOROUGHFARE RIVER, MD.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1912	2,959	$164,683	1,000	1917	8,392	$443,405	1,000
1913	3,309	127,178	800	1918	8,418	439,570	1,200
1914	5,049	195,408	700	1919	9,690	555,965	1,400
1915	5,237	181,065	800	1920	12,104	1,430,703	1,500
1916	5,792	273,250	850	1921	801	81,838	(1)

[1] No statistics available.

[Navigation season, Mar. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS, INTERNAL.						*Miles.*
Animals and animal products			322		$42,680	
Cattle		2		$290		11
Crabs, hard		94		6,110		11
Crabs, soft		10		4,250		5
Fish, fresh		2		320		11
Oysters, in shell	114			1,710		11
Oysters, shucked		100		30,000		13
Vegetable food products			114		5,045	
Beans and peas		1		150		11
Canned goods		3		240		11
Feed		65		2,210		11
Flour		8		760		11
Hay		30		900		11
Sugar		5		725		11
Potatoes		2		60		11
Wood and paper			36		854	
Barrels, empty		11		624		11
Cordwood	18			63		15
Lumber	6			141		11
Shingles		1		26		11
Nonmetallic minerals			75		1,548	
Coal, anthracite	37			379		11
Cement		20		240		11
Oil, gasoline		18		929		11
Ores, metals, and manufactures			3		300	
Cans, empty		2		200		11
Hardware		1		100		11
Machinery and vehicles: Machinery		3	3	750	750	11
Miscellaneous			136		26,662	
General merchandise		131		26,200		11
Groceries		1		450		11
Ice		4		12		11
Total	175	514	689		77,839	
SHIPMENTS, INTERNAL.						
Animals and animal products			112		3,999	
Oysters, shucked		13		3,900		11
Oyster shells	99			99		11
Total	99	13	112		3,999	
Total receipts and shipments, internal	274	527	801		81,838	

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TWITCH COVE AND BIG THOROUGHFARE RIVER, MD.—continued.

SUMMARY.

Classes of commodities.	Domestic.		Classes of commodities.	Domestic.	
	Tons.	Value.		Tons.	Value.
Animals and animal products	434	$46,679	Machinery and vehicles	3	$750
Vegetable food products	114	5,045	Miscellaneous	136	26,662
Wood and paper	36	854	Total	801	81,838
Nonmetallic minerals	75	1,548			
Ores, metals, and manufactures	3	300			

This is a decreased tonnage of 11,303 under that reported for 1920.

Vessel classification, 1921.

Class.	Domestic.		Draft.	Total.		Freight carried, tons.
	Arrivals.	Departures.		Number.	Net tonnage.	
			Feet.			
Sailing vessels	32	3	1–4	35	208	402
Power boats	19	.....	1–4	19	207	399
Other vessels [1]	.....	.....	.....	.....	.....	.....
Total	51	3	.....	54	415	801

[1] Numerous small motor and sail boats are used for fishing and oystering.

TANGIER CHANNEL, VA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.
1920	21,937	$1,876,073	1,000
1921 [1]	.....	.....	.....

[1] No statistics available. Effort was made to secure statistics from usual sources, but none were received due to failure of those interested in the improvement to respond.

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WASHINGTON, D. C., DISTRICT.

POTOMAC RIVER AT WASHINGTON, D. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1887	618,972	(1)	(2)	1905	878,823	(1)	(2)
1888	581,575	(1)	(2)	1906	907,430	$8,609,860	(2)
1889	488,680	(1)	(2)	1907	798,989	7,596,494	(2)
1890	519,696	(1)	(2)	1908	760,737	7,843,130	(2)
1891	551,219	(1)	(2)	1909	701,907	11,165,319	(2)
1892	766,954	(1)	(2)	1910	913,540	13,108,073	823,743
1893	653,433	(1)	(2)	1911	795,900	12,995,447	860,569
1894	644,588	(1)	(2)	1912	619,946	13,148,636	774,969
1895	693,450	(1)	(2)	1913	823,038	12,141,079	855,507
1896	723,657	(1)	(2)	1914	812,284	11,321,910	696,700
1897	593,684	(1)	(2)	1915	741,170	10,138,231	644,249
1898	645,239	(1)	(2)	1916	815,941	9,404,660	526,380
1899	715,549	(1)	(2)	1917	837,221	10,639,852	528,173
1900	661,420	(1)	(2)	1918	765,693	8,949,574	500,300
1901	706,551	(1)	(2)	1919	851,876	9,553,625	505,850
1902	672,912	(1)	(2)	1920	993,264	16,206,554	557,741
1903	762,043	(1)	(2)	1921	891,792	15,517,059	618,420
1904	758,150	(1)	(2)				

[1] No statistics available. [2] None reported.

[Navigation season opened Jan. 1, closed Dec. 31, 1921.]

Freight traffic, 1921:

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products			5,401		$1,434,707
Fish	4,000	534		$1,360,012	
Oysters (in shell)	700			15,168	
Oysters (shucked)		125		42,647	
Clams	42			16,880	
Vegetable food products			2,818		158,866
Tomatoes, canned		653		58,038	
Watermelons	2,130			99,400	
Wheat		35		1,428	
Wood and paper			21,438		139,257
Cordwood	13,518			58,201	
Lumber	4,530			50,716	
Piles	250			3,500	
Pulpwood	1,140			6,840	
Railroad ties	2,000			20,000	
Nonmetallic minerals			796,737		2,094,099
Brick	12,095			96,760	
Coal, anthracite	26,522			318,264	
Coal, bituminous	26,405			184,835	
Coke	13,401			107,208	
Gravel	340,098			387,045	
Oil, gas-making	43,698			742,412	
Sand	315,510			210,036	
Crushed stone	19,008			47,539	
Unclassified: General merchandise		31,548	31,548	7,423,300	7,423,300
Total receipts, coastwise	825,047	32,895	857,942		11,250,229
SHIPMENTS, COASTWISE.					
Animals and animal products: Oystershells	725		725	1,692	1,692
Nonmetallic minerals			10,292		55,276
Coal, bituminous	7,401			51,807	
Gravel	2,891			3,469	
Unclassified: General merchandise		22,833	22,833	4,209,862	4,209,862
Total shipments, coastwise	11,017	22,833	33,850		4,266,830
Total receipts and shipments	836,064	55,728	891,792		15,517,059

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POTOMAC RIVER AT WASHINGTON, D. C.—continued.

CARGOES IN TRANSIT.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Sand and gravel	130,593	$121,431	Oil, fuel	3,967	$84,142
Coal	28,590	200,130	Naval ordnance, etc	32,525	30,429,702
Crushed stone	500	1,250	Fertilizer	730	18,250
Gas-making oil	9,602	203,681	General merchandise	2,769	957,498
Gasoline	32,770	1,688,159			
Oil, refined	6,818	158,733	Total	248,864	32,857,976

SUMMARY.

Classes of commodities.	Coastwise.	
	Tons.	Value.
Animals and animal products	6,126	$1,436,399
Vegetable food products	2,818	158,866
Wood and paper	21,438	139,257
Nonmetallic minerals	807,029	2,149,375
Unclassified	54,381	11,633,162
Total	891,792	15,517,059

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.
Registered:			
Steamers	3,411	1,854,286	615,020
Motor vessels	176	7,760	3,400
Sailing	344	20,559	.....
Barges	69	39,031	.....
Unregistered:			
Canal boats	376	43,240	.....
Scows	659	119,000	.....
Rafts	5	.....	.....
Total	5,009	2,122,907	618,420

POTOMAC RIVER AT ALEXANDRIA, VA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1909	331,049	$3,582,200	(1)	1916	113,552	$3,128,708	10,800
1910	198,443	4,875,176	10,432	1917	108,031	3,168,020	29,393
1911	212,560	4,672,753	84,320	1918	191,349	2,914,008	4,978
1912	197,562	4,474,349	12,395	1919	225,351	3,061,576	7,493
1913	167,552	3,332,884	12,492	1920	154,339	2,201,565	9,100
1914	182,858	3,823,076	13,625	1921	148,192	2,381,930	12,811
1915	138,660	$3,121,869	12,340				

[1] None reported.

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POTOMAC RIVER AT ALEXANDRIA, VA.—continued.

[Navigation season opened Jan. 1, closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products			5,939		$36,569
Fish scrap		603		$24,120	
Oyster shells	5,336			12,449	
Wood and paper			28,500		178,260
Cordwood	16,300			81,260	
Lumber	200			2,000	
Pulpwood	10,000			75,000	
Railroad ties	2,000			20,000	
Nonmetallic minerals			61,195		693,820
Coal, bituminous	4,308			26,923	
Gasoline	10,325			530,977	
Gravel	14,316			17,180	
Sand	27,850			20,888	
Refined oil	4,396			97,852	
Ores, metals, and manufactures: Naval ordnance, etc		252	252	126,000	126,000
Chemicals			32,171		435,353
Acid phosphate	15,229			228,435	
Kainit	1,691			31,967	
Phosphate rock	12,343			102,964	
Miscellaneous fertilizer material	2,908			71,987	
Unclassified: General merchandise		1,504	1,504	317,780	317,780
Total receipts, coastwise	127,202	2,359	129,561		$1,787,782
SHIPMENTS, COASTWISE.					
Wood and paper			2,700		29,450
Lumber	700			$9,450	
Railroad ties	2,000			20,000	
Nonmetallic minerals: Coal, bituminous	10,500		10,500	73,500	73,500
Ores, metals and manufactures: Naval ordnance, etc		17	17	8,500	8,500
Chemicals: Fertilizer		2,130	2,130	54,428	54,428
Unclassified: General merchandise		3,284	3,284	428,270	428,270
Total shipments, coastwise	13,200	5,431	18,631		594,148
Total receipts and shipments	140,402	7,790	148,192		2,381,930

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	5,939	$36,569
Wood and paper	31,200	207,710
Nonmetallic minerals	71,695	767,320
Ores, metals and manufactures of	269	134,500
Chemicals	34,301	489,781
Unclassified	4,788	746,050
Total	148,192	$2,381,930

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POTOMAC RIVER AT ALEXANDRIA, VA.—continued.

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.
Registered:			
Steamers	1,258	687,978	12,811
Sailing	467	40,580	.....
Barges	58	33,800	.....
Unregistered:			
Canal boats	42	4,830	.....
Scows	261	51,400	.....
Total	2,086	818,588	12,811

OCCOQUAN CREEK, VA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1891	8,205	(1)	(2)	1908	25,958	$101,931	(2)
1892	56,705	(1)	(2)	1909	32,701	266,917	(2)
1894	8,900	(1)	(2)	1910	8,614	53,883	(2)
1895	10,475	(1)	(2)	1911	32,297	120,845	(2)
1896	41,670	(1)	(2)	1912	49,558	140,962	(2)
1897	15,835	(1)	(2)	1913	57,580	161,860	(2)
1898	29,865	(1)	(2)	1914	35,652	131,380	1,200
1900	69,400	(1)	(2)	1915	57,739	259,351	7
1901	20,220	(1)	(2)	1916	21,440	218,665	(2)
1902	13,049	(1)	(2)	1917	33,745	256,485	(2)
1903	16,245	(1)	(2)	1918	17,808	513,069	(2)
1904	25,880	(1)	(2)	1919	22,265	285,118	(2)
1905	109,490	(1)	(2)	1920	29,442	652,214	(2)
1906	26,300	$150,000	(2)	1921	23,043	527,440	(2)
1907	26,888	66,647	(2)				

[1] No statistics available. [2] None reported.

[Navigation season opened Jan. 1, closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products	.....	.....	130	.....	$5,662
Meat	.....	100	.....	$39,500	.....
Miscellaneous	.....	30	.....	12,162	.....
Vegetable food products	.....	.....	1,123	.....	59,748
Feed	.....	900	.....	25,200	.....
Flour	.....	105	.....	9,398	.....
Miscellaneous	.....	118	.....	25,150	.....
Textiles: Clothing and drygoods	.....	23	23	11,500	11,500
Wood and paper	.....	.....	340	.....	12,420
Lumber	.....	305	.....	8,850	.....
Miscellaneous	.....	35	.....	3,570	.....
Nonmetallic minerals	.....	.....	9,632	.....	71,335
Cement	.....	360	.....	4,032	.....
Coal, anthracite	364	.....	.....	2,600	.....
Coal, bituminous	8,781	.....	.....	59,584	.....
Miscellaneous	.....	127	.....	5,119	.....
Ores, metals and manufactures	.....	.....	800	.....	91,750
Iron and steel	.....	250	.....	25,750	.....
Hardware	.....	550	.....	66,000	.....

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OCCOQUAN CREEK, VA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE—continued.					
Machinery and vehicles: Farming implements	.....	5	5	$2,750	$2,750
Chemicals	.....	.....	127	.....	27,795
Fertilizer	.....	20	.....	555	.....
Paints and painters' supplies	.....	107	.....	27,240	.....
Unclassified: General merchandise	.....	890	890	109,000	109,000
Total	9,145	3,925	13,070	.....	437,960
SHIPMENTS, COASTWISE.					
Animals and animal products: Live stock	.....	23	23	4,980	4,980
Wood and paper	.....	.....	2,450	.....	24,500
Lumber	200	.....	.....	2,000	.....
Railroad ties	2,000	.....	.....	20,000	.....
Piles [1]	250	.....	.....	2,500	.....
Nonmetallic minerals: Brick	7,500	.....	7,500	60,000	60,000
Total	9,950	23	9,973	.....	89,480
Total receipts and shipments	19,095	3,948	23,043	.....	527,440

[1] Rafted.

SUMMARY.

Classes of commodities.	Domestic.		Classes of commodities.	Domestic.	
	Tons.	Value.		Tons.	Value.
Animals and animal products	153	$56,642	Machinery and vehicles	5	$2,750
Vegetable food products	1,123	59,748	Chemicals	127	27,795
Textiles	23	11,500	Unclassified	890	109,000
Wood and paper	2,790	36,920			
Nonmetallic minerals	17,132	131,335	Total	23,043	527,440
Ores, metals and manufactures	800	91,750			

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers	120	5,520
Sailing	17	850
Unregistered:		
Scows	240	36,000
Rafts	10	.....
Total	387	42,370

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RAPPAHANNOCK RIVER, VA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890	83,830	(1)	(1)	1907	373,860	$5,870,700	(1)
1892	126,333	(1)	(1)	1908	395,842	6,485,797	(1)
1893	141,750	(1)	(1)	1909	397,210	6,462,912	(1)
1894	144,070	(1)	(1)	1910	261,260	7,743,559	(1)
1895	151,466	(1)	(1)	1911	220,333	6,368,098	47,805
1896	161,196	(1)	(1)	1912	227,505	6,876,878	41,586
1897	158,108	(1)	(1)	1913	251,070	6,657,369	45,192
1898	166,586	(1)	(1)	1914	206,939	6,327,305	44,631
1899	167,862	(1)	(1)	1915	233,161	6,458,344	40,887
1900	190,827	(1)	(1)	1916	195,842	6,014,763	40,262
1901	213,408	(1)	(1)	1917	147,922	7,008,459	64,543
1902	244,365	(1)	(1)	1918	97,271	7,677,822	46,590
1903	268,803	(1)	(1)	1919	168,741	9,174,279	50,808
1904	396,202	(1)	(1)	1920	175,944	13,407,951	52,325
1905	430,626	(1)	(1)	1921	192,125	9,755,750	36,915
1906	363,911	$6,150,000	(1)				

[1] No statistics collected.

[Navigation season opened Jan. 1, closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animal and animal products			13,185		$66,675
Fish, for oil	12,750			$31,875	
Fish, salt		435		34,800	
Vegetable food products			2,661		151,620
Grain products		2,460		147,600	
Hay		201		4,020	
Wood and paper: Lumber		410	410	16,400	16,400
Nonmetallic minerals			8,054		273,150
Coal	2,148	733		24,584	
Petroleum products	4,142	131		235,066	
Brick	900			13,500	
Chemicals			7,591		215,245
Fertilizer		4,441		196,345	
Agricultural Lime		3,150		18,900	
Unclassified: General merchandise		18,301	18,301	1,917,095	1,917,095
Total	19,940	30,262	50,202		2,640,185
SHIPMENTS, COASTWISE.					
Animal and animal products			12,311		5,396,327
Fish and oysters	6,450	7,631		2,882,510	
Fish oil		633		39,942	
Poultry and live stock		6,597		2,473,875	
Vegetable food products			12,764		712,660
Farm produce		9,164		595,660	
Wheat		1,500		65,000	
Corn		2,100		52,000	
Wood and paper			101,726		707,392
Lumber	34,698			352,800	
Pulp wood	52,991			250,075	
Railroad ties	14,037			104,517	
Chemicals: Fish scrap		1,973	1,973	73,987	73,987
Unclassified			4,149		225,199
Canned goods		3,291		216,190	
General merchandise		858		9,009	
Total	108,176	33,747	141,923		7,115,565
Total receipts and shipments	128,116	64,009	192,125		9,755,750

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RAPPAHANNOCK RIVER, VA.—continued.

SUMMARY.

Classes of commodities.	Domestic.		Classes of commodities.	Domestic.	
	Tons.	Value.		Tons.	Value.
Animals and animal products	34,496	$5,463,002	Chemicals	9,564	$289,232
Vegetable food products	15,425	864,280	Unclassified	22,450	2,142,294
Wood and paper	102,136	723,792			
Nonmetallic minerals	8,054	273,150	Total	192,125	9,755,750

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.
Registered:			
Steamers	1,452	978,456	36,915
Sailing	766	52,880	.....
Barges	53	24,000	.....
Total	2,271	1,055,336	36,915

URBANNA CREEK, VA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1891	22,100	(1)	(1)	1908	29,000	$991,503	(1)
1892	17,125	(1)	(1)	1909	31,877	1,068,550	(1)
1893	61,290	(1)	(1)	1910	20,572	480,464	1,948
1894	88,305	(1)	(1)	1911	21,810	429,920	1,937
1895	92,320	(1)	(1)	1912	18,158	387,640	2,265
1896	133,925	(1)	(1)	1913	18,295	430,738	2,192
1897	181,500	(1)	(1)	1914	14,560	369,578	2,034
1900	179,414	(1)	(1)	1915	16,527	339,861	2,647
1901	494,200	(1)	(1)	1916	16,817	393,392	2,053
1902	538,100	(1)	(1)	1917	11,039	499,538	2,299
1903	740,200	(1)	(1)	1918	9,725	606,296	2,638
1904	1,036,525	(1)	(1)	1919	17,625	816,290	2,495
1905	803,910	(1)	(1)	1920	10,603	791,180	2,325
1906	35,185	$680,000	(1)	1921	8,018	482,235	1,537
1907	23,779	589,320	(1)				

[1] No statistics available.

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URBANNA CREEK, VA.—continued.

[Navigation season opened Jan. 1, closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Vegetable food products: Grain		476	476	$28,560	$28,560
Nonmetallic minerals			1,312		77,645
Coal	142			1,681	
Petroleum products	1,170			75,964	
Chemicals: Fertilizer		175	175	4,375	4,375
Unclassified: General merchandise		1,827	1,827	191,055	191,055
Total	1,312	2,478	3,790		301,635
SHIPMENTS, COASTWISE.					
Animals and animal products			320		92,280
Fish and oysters		168		35,280	
Poultry and live stock		152		57,000	
Vegetable food products: Farm produce		205	205	13,325	13,325
Wood and paper			3,203		28,825
Lumber	2,370			23,700	
Pulp wood	640			3,200	
Railroad ties	193			1,925	
Unclassified			500		46,170
Canned goods		422		37,980	
General merchandise		78		8,190	
Total	3,203	1,025	4,228		180,600
Total receipts and shipments	4,515	3,503	8,018		482,235

SUMMARY.

Classes of commodities.	Domestic.		Classes of commodities.	Domestic.	
	Tons.	Value.		Tons.	Value.
Animals and animal products	320	$92,280	Chemicals	175	$4,375
Vegetable food products	681	41,885	Unclassified	2,327	237,225
Wood and paper	3,203	28,825			
Nonmetallic minerals	1,312	77,645	Total	8,018	482,235

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.
Registered:			
Steamers	312	238,056	1,537
Sailing	54	3,510	
Barges	3	1,500	
Total	369	243,066	1,537

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MATTAPONI RIVER, VA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890	32,650	(1)	(1)	1909	86,087	$1,655,737	(1)
1891	52,060	(1)	(1)	1910	102,982	1,401,431	(1)
1892	32,690	(1)	(1)	1911	73,540	1,073,966	(1)
1893	36,420	(1)	(1)	1912	83,560	1,220,343	(1)
1894	39,300	(1)	(1)	1913	73,277	1,103,030	(1)
1899	44,700	(1)	(1)	1914	60,190	685,693	(1)
1900	42,500	(1)	(1)	1915	52,737	811,030	2,680
1901	12,054	(1)	(1)	1916	84,164	1,069,764	2,695
1902	270,045	(1)	(1)	1917	77,163	908,108	1,780
1903	22,000	(1)	(1)	1918	94,841	1,092,046	880
1904	43,400	(1)	(1)	1919	63,809	915,493	646
1906	79,535	$827,000	(1)	1920	72,005	1,012,400	750
1907	87,260	927,416	(1)	1921	96,543	1,004,339	1,000
1908	95,069	1,329,548	(1)				

[1] No statistics available.

[Navigation season opened Jan. 1, closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products: Oyster shells	9,000		9,000	$27,000	$27,000
Vegetable food products			2,440		89,800
Wheat		1,500		65,000	
Corn		280		8,000	
Flour and feed		120		6,000	
Hay		540		10,800	
Nonmetallic minerals: Coal	300		300	2,400	2,400
Chemicals			1,675		19,075
Agricultural lime		1,200		7,200	
Fertilizer		475		11,875	
Unclassified			1,015		142,877
General merchandise		850		127,500	
Cans and cases		165		15,377	
Total	9,300	5,130	14,430		281,152
SHIPMENTS, COASTWISE.					
Vegetable food products			2,130		122,500
Wheat		900		39,000	
Corn		168		4,800	
Flour and feed		200		10,000	
Farm produce		350		17,500	
Canned vegetables		512		51,200	
Wood and paper			77,533		521,187
Lumber	25,854			258,540	
Pulp wood	47,126			205,730	
Railroad ties	4,553			56,917	
Chemicals: Agricultural lime		2,000	2,000	12,000	12,000
Unclassified: General merchandise		450	450	67,500	67,500
Total	77,533	4,580	82,113		723,187
Total receipts and shipments	86,833	9,710	96,543		1,004,339

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MATTAPONI RIVER, VA.—continued.

SUMMARY.

Classes of commodities.	Domestic.		Classes of commodities.	Domestic.	
	Tons.	Value.		Tons.	Value.
Animals and animal products	9,000	$27,000	Chemicals	3,675	$31,075
Vegetable food products	4,570	212,300	Unclassified	1,465	210,377
Wood and paper	77,533	521,187			
Nonmetallic minerals	300	2,400	Total	96,543	1,004,339

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.
Registered:			
Steamers	386	31,546	1,000
Sailing	135	12,150	.....
Barges	53	23,850	.....
Unregistered: Lighters	406	16,240	.....
Total	980	83,786	1,000

PAMUNKEY RIVER, VA.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1893	50,420	(1)	1913	36,990	$236,257
1894	42,250	(1)	1914	35,703	194,953
1895	44,600	(1)	1915	47,004	212,343
1906	39,558	$295,000	1916	42,894	276,579
1907	41,533	304,426	1917	37,885	282,562
1908	49,107	559,516	1918	42,727	465,404
1909	59,961	514,144	1919	81,669	804,514
1910	36,616	239,940	1920	32,840	303,200
1911	52,649	310,386	1921	37,757	356,563
1912	38,309	264,890			

[1] No statistics available.

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PAMUNKEY RIVER, VA.—continued.

[Navigation season opened Jan. 1, closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Vegetable food products: Flour and feed		80	80	$4,000	$4,000
Wood and paper: Furniture		144	144	30,000	30,000
Chemicals			1,200		12,800
Agricultural lime		800		4,800	
Fertilizer		400		8,000	
Unclassified: General merchandise		250	250	50,000	50,000
Total		1,674	1,674		96,800
SHIPMENTS, COASTWISE.					
Vegetable food products			712		29,200
Wheat		600		26,000	
Corn		112		3,200	
Wood and paper			35,371		230,563
Lumber	12,000			120,000	
Pulp wood	21,336			78,163	
Railroad ties	1,660			24,900	
Piles [1]	375			7,500	
Total	35,371	712	36,083		259,763
Total receipts and shipments	35,371	2,386	37,757		356,563

[1] Rafted.

SUMMARY.

Classes of commodities.	Domestic.		Classes of commodities.	Domestic.	
	Tons.	Value.		Tons.	Value.
Vegetable food products	792	$33,200	Unclassified	250	$50,000
Wood and paper	35,515	260,563			
Chemicals	1,200	12,800	Total	37,757	356,563

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers	125	1,725
Sailing	94	5,200
Barges	23	10,350
Unregistered:		
Lighters	215	8,600
Rafts	5	
Total	462	26,275

No passenger traffic on the river.

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YORK RIVER, VA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1888	285,480			1907	142,189		
1889	328,353			1908	178,445		
1890	418,190			1909	85,139		
1891	304,338			1910	186,947	$8,328,891	32,251
1892	345,559			1911	186,486	10,479,306	29,739
1893	351,390			1912–1920 [1]			
1894	379,808			1921	146,580	23,108,448	41,728
1895–1906 [1]							

[1] No statistics available.

[Navigation season opened Jan. 1, closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products: Packing house products		1,848	1,848	$646,800	$646,800
Vegetable food products			2,642		261,568
Grain products		1,258		75,480	
Sugar and molasses		1,384		166,080	
Other vegetable products: Tobacco		1,765	1,765	1,323,750	1,323,750
Nonmetallic minerals			4,524		154,440
Coal	2,250			18,000	
Petroleum products	1,500	774		136,440	
Chemicals: Fertilizer		6,147	6,147	153,675	153,675
Unclassified			34,889		6,230,970
Canned goods		6,253		562,770	
General merchandise		28,636		5,727,200	
Total	3,750	48,065	51,815		8,830,195
SHIPMENTS, COASTWISE.					
Animals and animal products			21,264		2,692,440
Fish and oysters		12,264		2,575,440	
Oyster shells	9,000			27,000	
Vegetable food products			7,540		368,895
Grain		960		32,420	
Farm produce		3,405		221,325	
Potatoes		3,175		95,250	
Other vegetable products: Tobacco		3,131	3,131	2,348,250	2,348,250
Textiles: Cotton goods		8,841	8,841	5,304,600	5,304,600
Wood and paper			36,029		261,468
Lumber	17,250			172,500	
Pulp wood	17,504			78,768	
Railroad ties	1,275			10,200	
Unclassified			17,960		3,433,360
Canned goods		1,450		130,500	
General merchandise		16,510		3,302,000	
Total	45,029	49,736	94,765		14,288,253
Total recipts and shipments	48,779	97,801	146,580		23,108,448

SUMMARY.

Classes of commodities.	Domestic.		Classes of commodities.	Domestic.	
	Tons.	Value.		Tons.	Value.
Animals and animal products	23,112	$3,249,240	Nonmetallic minerals	4,524	$154,440
Vegetable food products	10,182	590,555	Chemicals	6,147	153,675
Other vegetable products	4,896	3,672,000	Unclassified	52,849	9,722,470
Textiles	8,841	5,304,600			
Wood and paper	36,029	261,468	Total	146,580	23,108,448

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YORK RIVER, VA.—continued.

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.
Registered:			
Steamers	513	362,751	41,728
Sailing	412	20,660	.....
Barges	41	18,450	.....
Total	966	401,801	41,728

ANACOSTIA RIVER, D. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1910	292,259	$15,184,591	30,464	1916	326,707	$19,213,189	30,386
1911	335,347	31,567,750	10,000	1917	226,911	15,178,588	60,000
1912	371,181	17,706,954	23,629	1918	297,474	21,523,006	41,079
1913	358,919	21,684,063	14,071	1919	260,074	15,364,932	57,120
1914	324,504	20,702,184	23,919	1920 [1]	156,333	4,942,424	63,826
1915	277,787	19,430,232	18,465	1921	223,172	32,459,603	22,500

[1] Statistics for 1920 and 1921 are exclusive of car ferry traffic to and from navy yard to lower Potomac River points.

[Navigation season opened Jan. 1, closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Nonmetallic minerals	.....	.....	189,320	.....	$2,284,085
Sand	63,607	.....	.....	$44,273	.....
Gravel	66,986	.....	.....	77,158	.....
Coal, bituminous	5,070	.....	.....	31,689	.....
Crushed stone	500	.....	.....	1,250	.....
Oil, gas-making	9,602	.....	.....	203,681	.....
Gasoline	32,770	.....	.....	1,688,159	.....
Oil, refined	6,818	.....	.....	153,733	.....
Oil, fuel	3,967	.....	.....	84,142	.....
Ores, metals and manufactures: Naval ordnance, etc	.....	14,960	14,960	14,062,400	14,062,400
Unclassified: General merchandise	.....	1,559	1,559	539,090	539,090
Total receipts, coastwise	189,320	16,519	205,839	.....	16,885,575
SHIPMENTS, COASTWISE.					
Ores, metals and manufactures: Naval ordnance, etc	.....	16,123	16,123	15,155,620	15,155,620
Unclassified: General merchandise	.....	1,210	1,210	418,408	418,408
Total shipments, coastwise	.....	17,333	17,333	.....	15,574,028
Total receipts and shipments	189,320	33,852	223,172	.....	32,459,603

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ANACOSTIA RIVER, D. C.—continued.

Railroad car ferry traffic (between navy yard and Indianhead).

Commodities.	Amount in short tons.	Value.
Receipts: Naval ordnance, etc	524	$478,300
Shipments: Naval ordnance, etc	918	733,382
Total	1,442	1,211,682

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Nonmetallic minerals	189,320	$2,284,035
Ores, metals, and manufactures	31,083	29,218,020
Unclassified	2,769	957,498
Total	223,172	32,459,603

Car ferry, short tons, 1,442, value $1,211,682.

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.
Registered:			
Steamers	1,008	144,825	22,500
Barges	620	281,862	.....
Unregistered:			
Canal boats	45	5,175	.....
Scows	655	131,000	.....
Total	2,330	562,862	22,500

POTOMAC RIVER AT LOWER CEDAR POINT, MD.

Comparative statement of traffic.

Year.	Tons	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1909	1,278	$102,550	(1)	1916	2,134	$129,150	780
1910	1,107	112,357	1,082	1917	2,315	124,745	620
1911	1,755	120,392	1,200	1918	1,909	185,340	500
1912	1,690	98,154	(2)	1919	(1)	(1)	215
1913	1,761	108,630	295	1920	499	82,635	(2)
1914	1,672	112,630	690	1921	503	80,251	171
1915	2,698	141,400	757				

[1] No statistics available. [2] None reported.

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POTOMAC RIVER AT LOWER CEDAR POINT, MD.—continued.

[Navigation season opened Jan. 1, closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Vegetable food products: Grain		31	31	$186	$186
Wood and paper: Lumber		4	4	160	160
Chemicals: Fertilizer		14	14	630	630
Unclassified: General merchandise		210	210	22,050	22,050
Total receipts, coastwise		259	259		23,026
SHIPMENTS, COASTWISE.					
Animals and animal products			164		51,105
Fish and oysters		63		13,230	
Poultry and live stock		101		37,875	
Vegetable food products: Miscellaneous		57	57	3,705	3,705
Unclassified: General merchandise		23	23	2,415	2,415
Total shipments, coastwise		244	244		57,225
Total receipts and shipments, coastwise		503	503		80,251

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	164	$51,105
Vegetable food products	88	3,891
Wood and paper	4	160
Chemicals	14	630
Unclassified	233	24,465
Total	503	80,251

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.
Registered: Steamers	122	128,283	171

CARTERS CREEK, VA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1908	58,285	(1)	(1)	1920	22,914	$1,149,086	(1)
1909	68,842	(1)	(1)	1921	15,555	2,071,031	4,755

[1] No statistics available. No statistics available 1910 to 1919.

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CARTERS CREEK, VA.—continued.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Vegetable food products: Grain products		410	410	$24,600	$24,600
Nonmetallic minerals			1,476		62,683
Coal, bituminous	269			1,886	
Petroleum products	1,186	21		60,797	
Chemicals: Fertilizer		517	517	23,265	23,265
Unclassified: General merchandise		1,345	1,345	138,495	138,495
Total receipts, coastwise	1,455	2,293	3,748		249,043
SHIPMENTS, COASTWISE.					
Animals and animal products			7,858		1,650,095
Fish and oysters	6,450	957		1,480,970	
Poultry and live stock		451		169,125	
Vegetable food products: Farm produce		692	692	44,980	44,980
Nonmetallic minerals			1,101		12,438
Brick	938			6,750	
Lime	163			5,688	
Unclassified			2,156		114,475
Canned goods		2,127		111,430	
General merchandise		29		3,045	
Total shipments, coastwise	7,551	4,256	11,807		1,821,988
Total receipts and shipments	9,006	6,549	15,555		2,071,031

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	7,858	$1,650,095
Vegetable food products	1,102	69,580
Nonmetallic minerals	2,577	65,805
Chemicals	517	23,265
Unclassified	3,501	252,970
Total	15,555	2,071,031

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.
Registered:			
Steamers	640	490,400	4,755
Sailing	212	24,380	
Total	852	514,780	4,755

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PATUXENT RIVER, MD.

[Navigation season opened Jan. 1, closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products: Oysters	6,000		6,000	$100,000	$100,000
Vegetable food products			644		32,440
Grain products		489		29,340	
Hay		155		3,100	
Wood and paper: Lumber		104	104	4,160	4,160
Nonmetallic minerals			701		8,260
Coal	650			5,200	
Petroleum products		51		3,060	
Chemicals: Fertilizer		1,900	1,900	73,000	73,000
Unclassified: General merchandise		3,866	3,866	405,930	405,930
Total	6,650	6,565	13,215		623,790
SHIPMENTS, COASTWISE.					
Animals and animal products			1,345		370,230
Fish and oysters		813		170,730	
Eggs, poultry and live stock		532		199,500	
Vegetable food products			6,902		331,025
Farm produce		3,425		222,525	
Wheat		1,500		50,000	
Corn		300		8,500	
Tomatoes		1,677		50,000	
Other vegetable products: Tobacco		2,400	2,400	1,800,000	1,800,000
Wood and paper: Pulpwood	500		500	4,500	4,500
Unclassified			388		38,160
General merchandise		216		22,680	
Canned goods		172		15,480	
Total	500	11,035	11,535		2,543,915
Total receipts and shipments	7,150	17,600	24,750		3,167,705

SUMMARY.

Classes of commodities.	Domestic.		Classes of commodities.	Domestic.	
	Tons.	Value.		Tons.	Value.
Animals and animal products	7,345	$470,230	Chemicals	1,900	$73,000
Vegetable food products	7,646	363,465	Unclassified	4,254	444,090
Other vegetable products	2,400	1,800,000			
Wood and paper	604	8,660	Total	24,750	3,167,705
Nonmetallic minerals	701	8,260			

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.
Registered:			
Steamers	230	86,900	1,500
Sailing	140	6,000	
Total	370	92,900	1,500

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PIANKATANK RIVER, VA.

[Navigation season opened Jan. 1, closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Chemicals: Fertilizer		1,800	1,800	$81,000	$81,000
Unclassified: General merchandise		8,357	8,357	808,350	808,350
Total		10,157	10,157		889,350
SHIPMENTS, COASTWISE.					
Animals and animal products			2,891		774,750
Fish and oysters		1,875		393,750	
Poultry and live stock		1,016		381,000	
Wood and paper			9,236		135,462
Lumber	6,000			120,000	
Pulpwood	2,936			13,212	
Railroad ties	300			2,250	
Unclassified: General merchandise		1,843	1,843	152,920	152,920
Total	9,236	4,734	13,970		1,063,132
Total receipts and shipments	9,236	14,891	24,127		1,952,482

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	2,891	$774,750
Wood and paper	9,236	135,462
Chemicals	1,800	81,000
Unclassified	10,200	961,270
Total	24,127	1,952,482

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.
Registered:			
Steamers	325	98,150	10,132
Sailing	538	26,900	
Total	863	125,050	10,132

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NOMINI CREEK, VA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passenger.	Year.	Tons.	Value.	Passenger.
1889	13,542			1906	23,730		
1890	15,825			1907	26,205		
1891	62,300			1908	22,760		
1892	21,000			1909	27,285	$1,138,998	
1893	17,658			1910	21,332	512,608	
1894	25,100			1911	20,777	599,475	
1895	16,250			1912	17,725	520,870	
1896	7,425			1913	28,953	421,733	
1897	7,370			1914	26,012	427,390	3,010
1898	9,640			1915	18,928	451,831	4,000
1899 [1]				1916 [1]			
1900 [1]				1917 [1]			
1901	22,400			1918 [1]			
1902	21,350			1919 [1]			
1903	19,270			1920 [1]			
1904	9,110			1921	30,292	863,500	3,500
1905	11,455						

[1] No statistics available.

[Navigation season opened Jan. 1, closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Machinery and vehicles: Farm machinery		200	200	$50,000	$50,000
Chemicals: Fertilizer		1,150	1,150	29,500	29,500
Unclassified: General merchandise		1,600	1,600	240,000	240,000
Total		2,950	2,950		319,500
SHIPMENTS, COASTWISE.					
Vegetable food products			4,842		359,000
Grain		292		9,000	
Canned tomatoes		3,750		300,000	
Farm produce		800		50,000	
Wood and paper			22,000		110,000
Lumber	2,000			20,000	
Pulpwood	20,000			90,000	
Unclassified: General merchandise		500	500	75,000	75,000
Total	22,000	5,342	27,342		544,000
Total receipts and shipments	22,000	8,292	30,292		863,500

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Vegetable food products	4,842	$359,000
Wood and paper	22,000	110,000
Machinery and vehicles	200	50,000
Chemicals	1,150	29,500
Unclassified	2,100	315,000
Total	30,292	863,500

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NOMINI CREEK, VA.—continued.

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.
Registered:			
Steamers	560	159,065	3,500
Sailing	164	8,200	.....
Total	724	167,265	3,500

NORFOLK, VA., DISTRICT.

NORFOLK HARBOR, VA.

Comparative statement of traffic.

Year.	Short tons.	Value.	In transit.		Railroad car ferry.	
			Short tons.	Value.	Short tons.	Value.
1888	1,914,506	(1)	.....	.....	.....	.....
1889	2,243,087	(1)	.....	.....	.....	.....
1890	2,384,841	(1)	.....	.....	.....	.....
1891	2,931,751	(1)	.....	.....	.....	.....
1892	3,427,189	(1)	.....	.....	.....	.....
1893	3,584,727	(1)	.....	.....	.....	.....
1894	4,545,049	$60,656,468	.....	.....	.....	.....
1895	5,013,185	(1)	.....	.....	.....	.....
1896	5,986,636	171,147,603	.....	.....	.....	.....
1897	9,430,526	(1)	.....	.....	.....	.....
1898	6,510,201	519,953,995	.....	.....	.....	.....
1899	6,260,284	(1)	.....	.....	.....	.....
1900	5,538,051	219,662,236	.....	.....	.....	.....
1901	7,761,356	451,018,751	.....	.....	.....	.....
1902	7,853,108	477,250,525	.....	.....	.....	.....
1903	9,478,900	640,820,808	.....	.....	.....	.....
1904	10,780,972	820,708,600	.....	.....	.....	.....
1905	10,914,378	546,514,175	.....	.....	.....	.....
1906	15,662,080	628,380,721	.....	.....	.....	.....
1907	13,643,849	597,950,881	.....	.....	.....	.....
1908	11,746,746	843,563,326	.....	.....	.....	.....
1909	10,972,999	(1)	.....	.....	.....	.....
1910	12,477,501	(1)	.....	.....	.....	.....
1911	14,445,112	(1)	.....	.....	.....	.....
1912	17,520,175	525,637,600	.....	.....	.....	.....
1913	21,362,698	963,226,289	.....	.....	.....	.....
1914	19,848,658	1,084,106,750	.....	.....	.....	.....
1915	21,712,166	2,042,335,814	.....	.....	.....	.....
1916	30,746,348	2,712,679,768	.....	.....	.....	.....
1917	34,870,321	4,119,087,948	.....	.....	.....	.....
1918	22,752,711	1,995,639,196	9,201,132	$1,043,384,690	.....	.....
1919	12,661,674	1,150,962,156	7,474,636	1,310,923,038	[2] 4,443,475	[2] $792,453,513
1920	16,118,544	792,192,128	4,568,068	652,345,901	4,434,331	495,853,832
1921	11,623,673	521,858,529	4,188,406	504,997,651	[3] 3,229,864	336,021,011

Passengers, 1920, 11,287,785.
Passengers, 1921, 10,387,376.

[1] No statistics available.
[2] This item covers railroad car-ferry traffic, designated "Local," in statistics for 1919, and the car-ferry traffic between Norfolk, Va., and Cape Charles City Harbor, Va., which was included in internal traffic for 1919.
[3] Records of one railroad company burned; its report of traffic a rough approximation.

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NORFOLK HARBOR, VA.—continued.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products		203		$11,849
Pickled herring	200		$10,700	
Hides, horse and cattle	3		1,149	
Vegetable food products		7,426		147,749
Onions	19		1,080	
Soya-bean oil	1,732		124,080	
Molasses	5,675		22,589	
Other vegetable products		279		298,902
Seed, vegetable	5		1,500	
All other seeds	16		3,840	
Tobacco, leaf [1]	210		287,070	
Tobacco, stems [1]	43		6,450	
Peat, moss	5		42	
Textiles		2,303		319,096
Cotton [1]	50		15,185	
Dry goods	1		2,727	
Jute, old bagging [1]	2,252		301,184	
Wood and paper		3,174		172,999
Wood pulp	1,877		67,942	
Printing paper	1,297		105,057	
Nonmetallic minerals		143,103		469,454
Petroleum, crude	113,335		352,689	
Plate glass	200		4,827	
China and crockery	26		4,500	
Gypsum	16,739		50,217	
Pyrites	8,053		36,816	
Salt	4,750		20,425	
Ores, metals and manufactures of		11,329		846,670
Cotton ties	149		7,529	
Tin plate	26		5,443	
Steel shuttle tips	1		781	
Copper ore	4,393		165,177	
Scrap brass	5,619		604,742	
Type metal	1,141		62,998	
Chemicals		75,761		2,813,759
Nitrate of ammonia	770		71,642	
Nitrate of soda	26,655		1,599,300	
Sulphate of potash	455		22,295	
Kainit	19,239		382,258	
Manure salts	10,499		120,127	
Muriate of potash	7,898		331,921	
Nitrate of potash	1,120		55,250	
Other fertilizer materials	9,121		230,166	
Paint	3		300	
Perfumery	1		500	
Unclassified: All other articles, n. e. s.	11	11	7,763	7,763
Total		243,589		5,088,241
EXPORTS.				
Animals and animal products		1,089		448,423
Canned meat	182		98,514	
Evaporated milk	678		157,235	
Stearic acid	18		6,840	
Beeswax	112		3,925	
Boots and shoes	89		172,500	
Trunks and bags	10		9,409	
Vegetable food products		13,687		1,690,170
Barley malt	281		26,000	
Corn	240		8,743	
Corn meal	1,096		51,841	
Corn grits	886		22,429	
Rolled oats	293		23,865	
Brewer grits	304		12,158	
Rye flour	27		1,640	
Wheat flour	1,171		139,032	
Peanut-oil cake	1,056		38,050	
Oil-cake meal	280		9,464	
Beans, lima, dried	62		12,158	

[1] United States exports returned.

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NORFOLK HARBOR, VA.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Vegetable food products—Continued.				
Potatoes, white	38		$1,800	
Peanuts	159		17,854	
Cottonseed oil	3,081		806,337	
Vegetable fats	1,703		398,349	
Glucose	2,536		112,063	
Molasses	428		1,460	
All other	46		16,882	
Other vegetable products		101,571		$123,986,509
Automobile casings and tubes	12		7,915	
Tanning extracts	32		3,861	
Grass seed	28		24,998	
Leaf tobacco	86,143		117,785,501	
Tobacco stems and trimmings	931		139,625	
Cigarettes	4,091		5,409,617	
Plug tobacco	104		109,990	
Smoking tobacco	71		78,796	
All other manufactures of tobacco	198		70,400	
Starch	9,961		355,806	
Textiles		44,440		13,665,813
Cotton	42,304		12,848,029	
Cotton linters	937		97,626	
Cotton waste	230		52,354	
Cotton yarn	57		31,590	
Cotton underwear and hose	180		234,573	
Other cotton clothing, n.e.s.	257		272,381	
Hog hair	33		3,103	
Woolen wearing apparel	442		126,157	
Wood and paper		24,361		1,641,642
Hardwood logs	749		14,406	
Softwood logs	41		9,800	
Cedar pencil slats	661		173,177	
Lumber, various	19,724		900,501	
Veneer	50		12,445	
Staves	578		47,168	
Headings	28		1,860	
Handles for implements and tools	202		45,018	
Hardwood billets	334		30,658	
Sulphite wood pulp	59		5,326	
Soda wood pulp	423		60,131	
Other wood pulps	843		100,918	
News print paper	106		28,167	
Blotting and wrapping paper	60		14,973	
Paperboard and strawboard	45		4,772	
Cigarette paper	88		91,010	
Paper boxes and cartons	304		50,531	
Books, maps, charts and other printed matter	33		39,811	
All other manufactures of wood	33		10,970	
Nonmetallic minerals		3,660,941		18,345,011
Bituminous coal	3,660,082		18,300,410	
Coke	246		7,919	
Gasoline	29		2,200	
Lubricating oil	50		5,258	
Lubricating grease	62		11,965	
Other petroleum products	5		1,017	
Glass and glassware	39		5,005	
Fuller's earth	409		8,450	
Asbestos sand	2		150	
Ground mica	17		2,637	
Ores, metals and manufactures of		7,907		597,568
Pig iron	38		1,450	
Tin plate	16		4,402	
Railroad rails	5,384		108,000	
Railroad splice bars	306		6,120	
Railroad bolts and nuts	26		1,600	
Wrought iron black pipe	547		40,117	
Iron and steel tools	41		4,055	
Other manufactures of iron and steel	42		2,835	
Copper ingots	806		190,850	
Copper pipe	6		5,000	
Lead and tin foil	660		196,890	
Other manufactures of metal	35		36,249	

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NORFOLK HARBOR, VA.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Machinery and vehicles		723		$320,395
Textile machinery	278		$97,200	
Other machinery except agricultural	397		173,432	
Automobiles	48		49,763	
Chemicals		6,281		456,764
Carbolic acid	3		1,000	
Dextrine	607		29,658	
Bicarbonate of soda	24		1,400	
Nitrate of soda	2,800		168,000	
Medicinal preparations	34		20,355	
Ocher	1,019		31,725	
Carbon black	82		13,659	
Laundry soap	80		9,837	
Sopo mollis	14		28,680	
Other soap	1,618		152,450	
Unclassified		1,697		661,199
Emergency rations	153		42,800	
First-aid packets	155		216,660	
Litters and slings	13		25,608	
Sterlizers	24		850	
U. S. Army property	1,208		264,417	
All other	144		110,864	
Total		3,862,697		161,812,494
Total imports and exports		4,106,286		166,931,735

DOMESTIC.

Classes and commodities.	Amount in short tons.			Value.		Average haul.	Rate per ton-mile.
	By commodities.		By classes.	By commodities.	By classes.		
	Bulk.	Package.					
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Animals and animal products			11,320		$14,293,585		
Poultry, game, and fish		121		$45,375		566	(1)
Packing-house products		873		459,198		466	(1)
Butter and cheese		6		3,912		336	(1)
Canned fish		2,062		824,800		1,040	[2]0.0026
Leather		1,922		288,300		574	(1)
Boots and shoes		6,336		12,672,000		586	(1)
Vegetable food products			27,760		2,320,156		
Flour		152		13,680		336	(1)
Mill feed		74		1,924		336	(1)
Potatoes, white		9,891		346,185		596	(1)
Fresh vegetables		304		16,416		339	(1)
Canned vegetables		1,270		203,200		1,873	[3].003
Dried vegetables		155		7,750		3,333	[4].004
Citrus fruit		17		1,615		1,429	[5].002
Other fresh fruit		41		2,788		359	(1)
Dried fruits		165		26,000		4,981	.004
Canned fruits		1,843		311,000		4,981	.005
Vegetable oils		27		4,860		333	(1)
Sugar, glucose, and sirup		12,610		1,220,320		360	(1)
Beverages		1,227		164,418		592	(1)
Other vegetable products			3,156		1,097,060		
Manufactures of rubber		1,560		936,000		516	(1)
Tobacco		1,523		152,300		326	(1)
Starch		73		8,760		494	(1)

[1] No statistics available.
[2] Rate for 210 tons hauled 4,981 miles.
[3] Rate for 417 tons hauled 4,981 miles.
[4] Rate for 100 tons hauled 4,981 miles.
[5] Rate for 4 tons hauled 4,981 miles.

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NORFOLK HARBOR, VA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons. By commodities. Bulk.	Amount in short tons. By commodities. Package.	Amount in short tons. By classes.	Value. By commodities.	Value. By classes.	Average haul.	Rate per ton-mile.
RECEIPTS, COASTWISE—contd.						*Miles.*	*Cents.*
Textiles			22,589		$22,383,473		
Cotton, domestic		576		$161,856		431	(1)
Cotton, imported		1,885		1,182,837		597	(1)
Dry goods		18,802		20,682,200		512	(1)
Jute bagging		667		60,030		531	(1)
Wool		659		296,550		583	(1)
Wood and paper			4,956		1,246,950		
Forest products		435		17,400		336	(1)
Furniture		34		13,600		336	(1)
Manufactures of paper		3,471		867,750		565	(1)
Printed matter		1,016		348,200		446	(1)
Nonmetallic minerals			350,398		11,438,362		
Petroleum and its products[6]	341,479			11,267,182		1,638	(1)
Sulphur		8,919		170,680		1,954	[7]0.00174
Ores, metals, and manufactures of			12,954		1,760,527		
Wire and fencing		3,490		244,300		558	(1)
Iron and steel castings		124		5,952		336	(1)
Nails, screws, and spikes		226		14,690		458	(1)
Chain		863		258,900		597	.0022
Manufactures of iron and steel		4,251		1,062,750		409	(1)
Copper ore	3,975			168,935		336	(1)
Other metals		25		5,000		336	(1)
Machinery and vehicles: Miscellaneous machinery		4,199	4,199	839,800	839,800	491	(1)
Chemicals			50,906		2,172,231		
Baking powder		3,777		1,416,375		458	(1)
Sodium nitrate		2,790		167,400		577	[8].0012
Animal manure	3,584			17,920		336	.003
Fish scrap	6,430			140,400		384	[9].00242
Phosphate rock	30,106			174,822		1,350	.00135
Acid phosphate		2,254		36,034		480	.0057
Soap		1,552		186,240		554	(1)
All other		413		33,040		336	(1)
Unclassified			74,289		18,707,025		
Household effects		160		35,840		597	(1)
U. S. Army property		991		424,025		(1)	(1)
All other articles		73,138		18,247,160		423	(1)
Total	385,574	176,953	562,527		76,259,169		
SHIPMENTS, COASTWISE.							
Animals and animal products			1,991		969,078		
Packing-house products		1,283		674,858		571	(1)
Butter and cheese		10		6,520		336	(1)
Canned fish		15		6,000		597	(1)
Hides		342		51,300		470	(1)
Boots and shoes		85		170,000		597	(1)
Trunks and suit-cases		14		12,000		4,981	.0133
All other		242		48,400		336	(1)
Vegetable food products			73,131		4,042,253		
Grain		20		1,080		336	(1)
Mill feed		762		19,812		594	(1)
Potatoes, white		17,633		617,155		341	(1)
Other fresh vegetables		35,558		1,723,067		350	(1)
Canned vegetables		747		119,520		336	(1)
Dried fruit and vegetables		178		8,900		336	(1)
Fresh fruits		779		52,972		432	(1)
Peanuts		7,776		867,312		741	[10].0045
Cotton seed and products of, except oil		78		2,925		336	(1)
Cottonseed oil		2,607		417,120		336	(1)
Beverages		25		3,350		336	(1)
All other		6,968		209,040		336	(1)

[1] No statistics available.
[6] Statistics not available for the different kinds of petroleum products.
[7] Rate for 5,679 tons hauled 1,954 miles.
[8] Rate for 1,500 tons hauled 785 miles.
[9] Rate for 5,430 tons hauled 455 miles.
[10] Rate for 300 tons with haul of 4,981 miles.

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NORFOLK HARBOR, VA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons. By commodities. Bulk.	Amount in short tons. By commodities. Package.	Amount in short tons. By classes.	Value. By commodities.	Value. By classes.	Average haul.	Rate per ton-mile.
SHIPMENTS, COASTWISE—contd.						*Miles.*	*Cents.*
Other vegetable products			6,104		$7,707,187		
Rubber manufactures		30		$21,000		597	(1)
Naval stores		73		9,700		597	(1)
Tobacco, leaf		2,151		1,709,487		3,575	[11]0.004
Manufactures of tobacco		3,850		5,967,000		884	[12].0038
Textiles			138,249		84,627,255		
Cotton		17,215		4,837,415		441	(1)
Linters		8		400		458	(1)
Cotton fabrics		120,791		79,725,000		503	[13].0045
Jute bagging		61		5,490		490	(1)
Twine		169		56,700		4,901	.0048
Wool		5		2,250		597	(1)
Wood and paper			19,607		366,321		
Lumber	15,118			168,519		334	[14].0038
Piling	3,400			21,635		400	.0065
Scaleboard		32		2,007		4,981	.008
Other forest products	581			58,100		336	(1)
Paper and paper products		476		116,060		1,695	[15].0076
Nonmetallic minerals			5,366,334		27,018,183		
Coal, bituminous	5,361,861			26,809,305		[16] 584	[17].00203
Petroleum and its products[6]	4,473			208,878		1,298	(1)
Ores, metals and manufactures of			1,178		141,948		
Blooms and billets		299		9,568		458	(1)
Structural steel		502		69,380		1,003	[18].0133
Steel shutters		221		38,200		4,581	.0085
Iron and steel castings		30		1,800		336	(1)
Other manufactures of iron and steel		31		6,200		458	(1)
Other metals		95		16,800		530	(1)
Machinery and vehicles: Machinery		48	48	8,100	8,100	3,550	[19].018
Chemicals			845		80,120		
Soda ash products		422		25,320		527	(1)
Paint		30		7,800		4,581	.0086
Soap, laundry		393		47,000		521	(1)
Unclassified			53,186		10,967,015		
Household effects		46		10,300		3,455	.0163
Miscellaneous merchandise		51,306		10,265,400		379	[14].0165
U. S. Army supplies		870		200,000		4,981	.008
U. S. Army property		220		263,915		(1)	(1)
U. S. Navy supplies		744		247,400		4,000	.0075
Total	5,385,433	275,240	5,660,673		135,947,460		
Total receipts and shipments	5,771,007	451,193	6,223,200		212,206,629		
RECEIPTS, INTERNAL.							
Animals and animal products			42,294		6,777,815		
Hogs		188		51,700		66	[14].21
Sheep		190		6,500		95	[14].38
Horses and mules		53		21,200		104	[14].145
Live poultry		179		89,500		101	[14].226
Other live stock		414		78,000		176	[14].094
Fresh meat		2,559		722,000		197	(1)
Smoked meat and lard		5,712		2,675,800		189	[14].184
Eggs		762		254,508		50	[14].24
Canned meats		2,223		1,202,643		198	(1)

[1] No statistics available.
[11] Rate for 1,500 tons with haul of 4,981 miles.
[12] Rate for 144 tons with haul of 4,981 miles.
[13] Rate for 450 tons with haul of 4,981 miles.
[14] Based on part of tonnage, statistics for entire tonnage not available.
[15] Rate for 140 tons with haul of 4,581 miles.
[16] Average haul of about 86 per cent of total coastwise shipments of bituminous coal from Hampton Roads.
[17] Average rate of about 27 per cent of total coastwise shipments of bituminous coal from Hampton Roads.
[18] Rate for 424 tons with average haul of 1,126 miles.
[19] Rate for 36 tons with haul of 4,981 miles.

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NORFOLK HARBOR, VA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons. By commodities. Bulk.	Amount in short tons. By commodities. Package.	Amount in short tons. By classes.	Value. By commodities.	Value. By classes.	Average haul.	Rate per ton-mile.
RECEIPTS, INTERNAL—contd.							
Animals and animal products—Continued.							
Other packing house products		2,476		$743,000		*Miles.* 198	*Cents.* (1)
Fresh fish		3,041		456,150		58	[14] 0.105
Oysters in shell	18,661			325,624		50	[14] .11
Oyster, shucked		122		24,000		24	.41
Oysters, shells	5,640			19,740		(1)	(1)
Hides		6		900		60	.05
Leather		67		100,550		198	(1)
Furs		1		6,000		70	(1)
Vegetable food products			55,119		$4,947,372		
Grain [20]		1,948		108,413		152	[14] .023
Flour		707		63,630		198	(1)
Hay		266		5,320		58	[14] .14
Mill feed		530		13,780		198	(1)
Potatoes, white		8,464		296,240		44	[14] .096
Other fresh vegetables		3,981		214,974		102	[14] .089
Canned vegetables		3,937		629,920		197	(1)
Dried vegetables		83		8,300		198	(1)
Citrus fruit		113		10,735		198	(1)
Other fresh fruits		1,966		129,972		182	[14] .0424
Dried fruits		1,982		24,600		198	(1)
Canned fruits		3,890		1,244,800		198	(1)
Peanuts		4,573		489,776		24	.125
Vegetable oils		113		20,340		198	(1)
Sugar, sirup and glucose		4,384		545,616		198	(1)
Beverages		6,874		921,116		198	(1)
Mineral water		30		1,500		57	(1)
All other		7,278		218,340		198	(1)
Other vegetable products			3,787		3,917,030		
Turpentine		47		19,646		198	(1)
Pitch		300		11,700		114	(1)
Licorice mass		63		31,500		198	(1)
Seed		799		332,384		198	(1)
Leaf tobacco		862		862,000		198	(1)
Manufactures of tobacco		1,716		2,659,800		144	(1)
Textiles			8,025		8,029,895		
Cotton		845		237,445		76	[14] .087
Dry goods and cotton piece goods		7,130		7,743,000		198	(1)
Bagging		49		49,000		198	(1)
Wool		1		450		198	(1)
Wood and paper			69,689		1,021,518		
Logs on barges [21]	39,426			131,289		(1)	(1)
Piling on barges [22]	12,570			88,000		(1)	(1)
Firewood	3,864			20,921		(1)	(1)
Lumber	4,376			58,128		76	(1)
Lath	44			880		(1)	(1)
Shingles	363			17,400		(1)	(1)
Staves	7,330			116,700		47	.033
Furniture		1,128		564,000		198	(1)
Woodenware		75		7,500		114	(1)
Other forest products	113			11,300		198	(1)
Paper		400		5,400		114	(1)
Nonmetallic minerals			455,128		8,229,246		
Anthracite coal	4,122			45,342		198	.0033
Gasoline and naphtha	57,688			3,825,061		198	(1)
Illuminating oil	41,153			1,359,833		198	(1)
Fuel oil	246,414			2,419,237		198	(1)
Gas oil	5,008			125,482		198	(1)
Miscellaneous petroleum products [6]		2,844		233,208		198	(1)
Asphaltum		21		315		198	(1)
Sand	30,026			45,039		[14] 79	(1)
Gravel	53,854			107,708		118	(1)
Cement		47		724		198	(1)
Building brick	13,750			66,000		33	(1)
Salt		41		307		198	(1)
Cinders	660			990		198	(1)

[1] No statistics available.
[6] Statistics not available for the different kinds of petroleum products.
[14] Based on part of tonnage, statistics for entire tonnage not available.
[20] Statistics not available for the different kinds of grain.
[21] Also 221,254 tons rafted, valued at $730,000.
[22] Also 9,006 tons rafted, valued at $59,700.

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NORFOLK HARBOR, VA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons. By commodities. Bulk.	Amount in short tons. By commodities. Package.	Amount in short tons. By classes.	Value. By commodities.	Value. By classes.	Average haul.	Rate per ton-mile.
RECEIPTS, INTERNAL—contd.							
						Miles.	*Cents.*
Ores, metals, and manufactures of			8,031		$1,052,568		
Structural iron		1,186		$50,524		198	(1)
Car wheels		699		33,552		198	(1)
Other manufactures of iron and steel		4,177		637,700		194	(1)
Other metals		1,969		330,792		198	(1)
Machinery and vehicles			614		270,990		
Agricultural implements		148		26,640		198	(1)
Automobiles		180		180,000		189	(1)
Wagons, carriages, etc		286		64,350		198	(1)
Chemicals			100,687		2,067,668		
Coal tar		322		3,420		120	(1)
Sulphuric acid		3,978		42,000		198	(1)
Other chemicals		1,449		72,450		198	(1)
Sodium nitrate		896		53,760		198	(1)
Animal manure	1,456			8,736		286	0.003
Acid phosphate		53,612		741,287		200	[4] .003
Fish scrap	6,177			183,668		147	[14] .004
Other fertilizer materials	32,797			962,347		207	.006
Unclassified			95,117		18,122,522		
General merchandise		81,034		16,307,950		186	(1)
Household goods		4,915		983,000		198	(1)
All other articles, n. e. s		9,168		831,572		(1)	(1)
Total receipts, internal	584,992	253,499	838,491		54,436,624		
SHIPMENTS, INTERNAL.							
Animals and animal products			3,805		1,026,819		
Cattle		136		27,200		161	(1)
Sheep		16		2,080		24	.062
Horses and mules		91		27,960		61	[14] .020
Live poultry		151		85,800		198	(1)
Fresh meat		26		9,280		51	[14] .416
Smoked and salt meat and lard		266		99,240		113	[14] .062
Fresh eggs		3		1,002		198	(1)
Canned milk		115		32,200		111	[14] .037
Butter and cheese		138		74,390		95	[14] .088
Fresh fish		1,221		305,800		195	(1)
Canned fish		1		400		70	(1)
Oysters in shell		961		16,769		125	(1)
Oleomargarine		189		128,520		65	.046
Hides		65		9,750		198	(1)
Boots and shoes		77		154,000		112	(1)
Other products of animals		349		52,428		194	(1)
Vegetable food products			49,966		3,191,558		
Grain [20]		823		32,441		94	(1)
Corn meal		1,992		99,600		52	[14] .183
Wheat flour		1,563		140,670		56	(1)
Other mill products		1,570		52,645		100	[14] .052
Hay		894		24,920		38	[14] .133
Cottonseed cake and meal		936		35,100		198	(1)
Fresh vegetables		31,320		1,555,387		191	(1)
Dried vegetables		457		44,264		79	[14] .045
Citrus fruits		16		1,520		70	(1)
Other fresh fruits		365		92,820		187	(1)
Canned fruits		82		13,776		65	.058
Peanuts		5,520		552,000		198	(1)
Vegetable oils		2,086		375,480		198	(1)
Coffee		10		3,400		[14] 67	.027
Sugar		425		52,700		109	.033
Sirup		52		6,500		193	(1)
Wines, liquors, and beer		60		51,000		198	(1)
Other beverages		45		5,930		161	(1)
All other		1,750		51,405		193	(1)

[1] No statistics available.
[4] Rate for 100 tons hauled 4,981 miles.
[14] Based on part of tonnage, statistics for entire tonnage not available.
[20] Statistics not available for the different kinds of grain.

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NORFOLK HARBOR, VA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons.[1] By commodities. Bulk.	Amount in short tons.[1] By commodities. Package.	Amount in short tons.[1] By classes.	Value. By commodities.	Value. By classes.	Average haul.	Rate per ton-mile.
SHIPMENTS, INTERNAL—contd.						*Miles.*	*Cents.*
Other vegetable products			5,735		$5,824,691		
Rubber tires		2		$1,200		65	0.113
Rosin		1		39		198	(1)
Turpentine		21		8,778		173	[14].116
Tar		268		10,334		198	(1)
Drugs		9		9,000		70	(1)
Seeds		386		154,400		197	(1)
Leaf tobacco		3,829		3,829,000		198	(1)
Manufactures of tobacco		1,207		1,810,500		197	(1)
Starch		12		1,440		66	[14].092
Textiles			74,285		66,511,104		
Cotton		4,805		1,350,205		198	(1)
Linters		11		511		198	(1)
Cotton fabrics		69,306		65,109,700		198	(1)
Jute bagging		62		5,580		65	.046
Rope and twine		3		1,008		70	(1)
Wool		98		44,100		198	(1)
Wood and paper			64,199		880,734		
Logs on barges	33,159			524,100		154	[14].006
Mine props	9,217			46,085		286	(1)
Piling on barges	2,700			18,514		260	.006
Lumber	17,300			182,811		270	[14].006
Laths	104			1,854		195	(1)
Shingles	50			2,400		70	(1)
Furniture		227		88,800		187	(1)
Other manufactures of wood		1,428		14,280		198	(1)
Paper, printed matter, and books		14		1,890		198	(1)
Nonmetallic minerals			76,980		2,356,225		
Coal, anthracite	190			2,090		122	[14].014
Coal, bituminous	7,227			50,589		[14] 118	[14].012
Cinders	2,900			4,350		260	(1)
Petroleum and its products[6]		55,231		2,171,145		(1)	(1)
Cement		8		123		198	(1)
Building lime		33		333		56	[14].08
Brick	4,507			22,535		65	(1)
Concrete pipe	2,250			13,300		21	(1)
Sulphur		4,634		91,760		114	.0054
Ores, metals, and manufactures of			4,149		390,422		
Pig iron		130		2,808		198	(1)
Iron and steel bars, plates, etc		98		3,430		198	(1)
Barbed wire		30		2,100		70	(1)
Car wheels	513			24,624		198	(1)
Other manufactures of iron and steel		797		124,760		122	(1)
Scrap iron	1,590			7,950		198	(1)
Blister copper	944			215,350		198	(1)
Other metals		47		9,400		198	(1)
Machinery and vehicles			1,510		978,900		
Gasoline engines		6		2,400		70	(1)
Wagons, carriages, etc		330		82,500		194	(1)
Agricultural implements		22		5,800		171	(1)
Automobiles and trucks		796		796,000		188	(1)
Automobile parts		27		27,000		24	.036
Miscellaneous machinery		322		65,200		198	(1)
Chemicals			34,792		837,903		
Baking powder		3		1,125		70	(1)
Fish scrap	1,150			26,730		117	[14].006
Sulphate of ammonia		43		4,013		198	.0112
Tankage	803			27,011		198	[14].004
Phosphate rock	5,635			47,184		198	.004
Acid phosphate		6,228		74,736		211	.006
Potash salts	2,333			64,777		225	.0067
Kainit	2,216			48,000		123	.0067
Other fertilizer materials	4,075			76,000		320	.0052

[1] No statistics available.
[6] Statistics not available for the different kinds of petroleum products.
[14] Based on part of tonnage, statistics for entire tonnage not available.

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NORFOLK HARBOR, VA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons. By commodities. Bulk.	Amount in short tons. By commodities. Package.	Amount in short tons. By classes.	Value. By commodities.	Value. By classes.	Average haul.	Rate per ton-mile.
SHIPMENTS, INTERNAL—contd.							
Chemicals—Continued.						*Miles.*	*Cents.*
Prepared fertilizer mixtures	.....	11,365	.....	$459,771	.....	[14] 195	0.0085
Other fertilizers, n. e. s.	.....	936	.....	7,956	.....	56	[14] 018
Soap, laundry	.....	5	.....	600	.....	70	([1])
Unclassified	.....	.....	25,707	.....	$3,865,362	.....	.....
Household goods	.....	571	.....	114,200	.....	198	([1])
All other	.....	25,136	.....	3,751,162	.....	143	([1])
Total shipments, internal	98,863	242,265	341,128	.....	85,863,713	.....	.....
Total receipts and shipments, internal	683,855	495,764	1,179,619	.....	140,300,342	.....	.....
LOCAL.							
Animals and animal products:							
Oyster shells	25,300	.....	25,300	126,500	126,500	.....	.....
Wood and paper	.....	.....	3,068	.....	43,600	.....	.....
Piling on barges	2,961	.....	.....	41,200	.....	.....	.....
Lumber	107	.....	.....	2,400	.....	.....	.....
Nonmetallic minerals	.....	.....	42,463	.....	1,459,180	.....	.....
Petroleum and its products[6]	41,526	.....	.....	1,440,390	.....	.....	.....
Sulphur	.....	937	.....	18,740	.....	.....	.....
Chemicals	.....	.....	24,412	.....	491,728	.....	.....
Muriate of potash	.....	1,049	.....	37,764	.....	.....	.....
Nitrate of potash	.....	464	.....	44,000	.....	.....	.....
Kainit	762	.....	.....	7,620	.....	.....	.....
Other fertilizer materials	3,137	.....	.....	21,844	.....	.....	.....
Prepared fertilizer	.....	6,000	.....	270,000	.....	.....	.....
Agricultural lime	.....	13,000	.....	110,500	.....	.....	.....
Unclassified: All other n. e. s.	.....	19,325	19,325	328,865	328,865	.....	.....
Total	73,793	40,775	114,568	.....	2,449,823	.....	.....

[1] No statistics available.
[6] Statistics not available for the different kinds of petroleum products.
[14] Based on part of tonnage, statistics for entire tonnage not available.

RAILROAD CAR-FERRY TRAFFIC.[1]

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Meats, all kinds	9,985	$3,592,320	Lumber	952,208	$11,426,496
Fresh milk	141	16,920	Other forest products	344,791	6,883,920
Fresh fish and oysters	13,443	1,129,212	Manufactures of wood	1,053	165,750
Lard compounds	546	112,320	Anthracite coal	30,163	331,723
Hides	953	142,950	Bituminous coal	56,013	336,078
Boots and shoes	1,498	2,996,000	Petroleum and its products	37,454	1,870,338
Grain	4,761	257,095	Cement	76,062	1,171,354
Peanut cake	335	13,400	Lime	7,556	75,560
Potatoes, white	68,526	2,398,410	Brick	3,809	19,045
Citrus fruits	2,180	152,600	Structural iron and steel	67,528	3,048,760
Fresh fruits and vegetables	84,400	4,557,600	Machinery and castings	30,292	7,058,400
Canned goods	3,859	810,390	Automobiles and other vehicles	7,518	5,811,750
Peanuts	24,451	2,441,100	Fertilizer and fertilizer material	193,142	9,221,965
Cottonseed oil	96,492	15,432,120	All other	1,006,983	182,133,062
Tobacco	43,041	43,041,000			
Cotton	32,644	9,475,253	Total	3,229,864	336,021,011
Cotton linters	240	14,400			
Cotton factory products	24,052	15,764,220			
Dry goods	3,745	4,119,500			

[1] Records of one railroad company burned, its traffic a rough approximation.

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NORFOLK HARBOR, VA.—continued.

CARGOES IN TRANSIT.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Smoked and salt meat	1,490	$625,800	Cotton	106,381	$29,893,061
Canned meats	1,491	806,631	Linters	479	23,950
Canned milk	5,565	1,224,300	Wool	1,084	542,000
Butter	670	564,140	Lumber	98,820	1,185,840
Cheese	1,120	517,440	Logs	20,414	303,747
Canned fish	9,833	3,933,200	Staves	809	141,575
Animal oils	717	436,605	Other forest products	30,791	268,261
Lard	1,320	528,000	Ixtle	2,699	269,900
Hides	288	57,600	Coal, bituminous	209,032	1,045,160
Oyster shells	2,178	10,890	Petroleum, crude	20,939	209,390
Barley	111,819	4,416,850	Gasoline and naphtha	34,505	2,242,825
Barley malt	4,166	208,300	Illuminating oil	15,667	517,011
Corn	115,658	3,088,068	Gas and fuel oil	119,093	1,705,450
Corn meal	283	14,150	Lubricating oil and grease	10,570	792,750
Hominy and grits	7,170	358,500	Other refined petroleum oils	57,931	1,930,840
Oats	1,620	63,990	Asphalt	13,632	204,480
Rice	12,685	1,522,200	Cement	11,112	171,124
Rye	23,685	1,555,630	Sulphur	29,262	555,978
Wheat	1,217,904	73,074,240	Salt	4,437	97,902
Flour, wheat	35,707	3,213,630	Manufactures of iron and steel	53,384	5,338,400
Cereal breakfast foods	763	61,803	Tin plate	3,298	709,070
Other grains, n. e. s.	25,560	1,380,240	Copper	21,310	5,029,160
Cottonseed oil cake	48,864	1,759,104	Copper ore	506	25,300
Cottonseed meal	3,897	140,292	Lead	180	18,000
Canned vegetables	419	22,877	Tin	37	7,955
Apples in barrels	1,156	107,508	Other metals	166	83,000
Dried fruit	450	162,000	Machinery	7,294	3,187,478
Canned fruit	1,047	175,896	Automobile and tractors	3,558	3,558,000
Vegetable oils	4,636	934,528	Alcohol	110	88,000
Coffee	530	180,200	Dextrine	854	41,846
Sugar	100,871	12,508,004	Nitrate of soda	129,628	7,777,680
Molasses	34,480	108,267	Phosphate rock	89,802	898,020
Glucose	3,479	434,875	Plaster rock	4,782	14,346
Sirup	352	44,000	Other fertilizer materials	5,315	132,875
Other food products	296	61,925	Unclassified	1,268,061	310,062,025
Naval stores	8,795	832,673			
Tobacco, and manufactures of	9,510	9,352,096			
Starch	11,990	1,438,800	Total	4,188,406	504,997,651

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NORFOLK HARBOR, VA.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	203	$11,849	1,089	$448,423	13,311	$15,262,663	71,399	$7,931,134	86,002	$23,654,069
Vegetable food products	7,426	147,749	13,687	1,690,170	100,891	6,362,409	105,085	8,138,930	227,089	16,339,258
Other vegetable products	279	298,902	101,571	123,986,509	9,260	8,804,247	9,522	9,741,721	120,632	142,831,379
Textiles	2,303	319,096	44,440	13,665,813	160,838	107,010,728	82,310	74,540,999	289,891	195,536,636
Wood and paper	3,174	172,999	24,361	1,641,642	24,563	1,613,271	136,956	1,945,852	189,054	5,373,764
Nonmetallic minerals	143,103	469,454	3,660,941	18,345,011	5,716,732	38,456,545	574,571	12,044,601	10,095,347	69,315,611
Ores, metals, and manufactures of	11,329	846,670	7,907	597,568	14,132	1,902,475	12,180	1,442,990	45,548	4,789,703
Machinery and vehicles	.....	.....	723	320,395	4,247	847,900	2,124	1,249,890	7,094	2,418,185
Chemicals	75,761	2,813,759	6,281	456,764	51,751	2,252,351	159,891	3,397,299	293,684	8,920,173
Unclassified	11	7,763	1,697	661,199	127,475	29,694,040	140,149	22,316,749	269,332	52,679,751
Total	243,589	5,088,241	3,862,697	161,813,494	6,223,200	212,206,629	1,294,187	142,750,165	11,623,673	521,858,529

	Tons.	Value.
Car ferry	3,229,864	$336,021,011
Cargoes in transit	4,188,406	504,997,651

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The numbers of steamers of regular lines plying, during 1921, between Norfolk and domestic ports, were as follows: New York, 2; Boston, 2; Providence, 1; Baltimore, 4; Washington, D. C., 2; Elizabeth City, N. C., 4; Poplar Branch, N. C., 1; Richmond, Va., 2. There were also three steamers, plying between North Atlantic and Pacific Coast domestic ports, calling regularly at Norfolk during the first nine months of the year and eight times during the last three months.

The foreign trade was principally with Europe and was carried almost entirely in steam vessels. Coastwise and foreign shipments of coal from the Norfolk piers aggregated 9,021,943 short tons, or about 31 per cent less than in 1920. Bunker coal, furnished principally to transatlantic and coastwise steamers, aggregated 2,083,467 tons. The tonnages and values of the chief commodities exported were as follows:

Articles.	Tons.	Value.
Cotton	42,304	$12,848,029
Leaf tobacco	86,143	117,785,501
Bituminous coal	3,660,082	18,300,401
Lumber	19,724	900,501

The chief imports were as follows:

Articles.	Tons.	Value.
Molasses	5,675	$22,589
Crude petroleum	113,333	352,669
Fertilizer material	75,761	2,813,759

Vessel classification, 1921.[1]

ENTERED.

Trade and nationality of vessels.	Steam.		Sail.		Total.	
	Number.	Net registered tonnage.	Number.	Net registered tonnage.	Number.	Net registered tonnage.
Foreign trade:						
American vessels	531	1,795,240	31	33,243	562	1,828,483
Foreign vessels	1,342	3,945,206	20	29,414	1,362	3,974,620
Total	1,873	5,740,446	51	62,657	1,924	5,803,103
Coastwise trade:						
American vessels[2]	237	792,995	8	8,386	245	801,381
Foreign vessels	238	583,811	9	11,080	247	594,891
Total	475	1,376,806	17	19,466	492	1,396,272
Total foreign and coastwise	2,348	7,117,252	68	82,123	2,416	7,199,375

CLEARED.

Foreign trade:						
American vessels	441	1,561,807	32	30,448	473	1,592,255
Foreign vessels	1,523	4,406,066	17	13,464	1,540	4,419,530
Total	1,964	5,967,873	49	43,912	2,013	6,011,785
Coastwise trade:						
American vessels[2]	262	857,795	10	12,373	272	870,168
Foreign vessels	475	1,430,605	9	9,331	484	1,439,936
Total	737	2,288,400	19	21,704	756	2,310,104
Total foreign and coastwise	2,701	8,256,273	68	65,616	2,769	8,321,889

[1] Includes only vessels that entered and cleared through customhouse.
[2] Statistics incomplete; American vessels enrolled in coastwise trade not required to enter or clear.

NOTE.—The above tabulation includes vessels with cargoes pertaining to the port; also vessels in transit with cargoes or in ballast, calling at the port for bunker fuel or other purposes.

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THIMBLE SHOAL CHANNEL, VA.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

See current annual report of the district engineer under "Norfolk Harbor and Channels, Va.," (1) Norfolk Harbor, Va., and (3) Channels to Newport News, Va.

The commerce passing through this channel is the greater portion of the foreign and coastwise traffic of Norfolk and Newport News, carried generally in vessels of 25 feet draft and over. A considerable portion of Chesapeake Bay traffic also passes through the channel. The articles of the above traffics are foodstuffs, lumber, and other forest products; cotton, tobacco, and other agricultural products; coal, manufactured iron and steel, ores, steel billets, and a great variety of other commodities. It is not practicable to state what portion of the traffic of the above ports and of Chesapeake Bay pass through the channel. The channel is also used by vessels drawing 25 feet and over calling at Hampton Roads ports for bunker fuel and for other purposes

CHANNEL TO NEWPORT NEWS, VA.

Comparative statement of traffic.

Year.	Short tons.	Value.	In transit.		Railroad car ferry.	
			Short tons.	Value.	Short tons.	Value.
1911	6,307,501	(1)				
1912	6,061,696	$294,171,185				
1913	4,721,726	221,350,331				
1914	5,638,589	181,252,300				
1915	7,327,932	438,965,405				
1916	6,403,608	398,765,216				
1917	6,259,774	404,821,473				
1918	12,421,433	1,284,712,957				
1919	4,157,499	106,328,193	4,535,538	$810,881,512	[2] 355,423	[2] $60,879,282
1920	6,860,523	111,109,664	2,404,797	384,327,513	534,086	47,294,615
1921	3,855,376	41,046,863	1,968,414	257,055,325	303,501	23,425,725

[1] No statistics available. [2] This item designated "Local" in statistics of 1919.

Passengers, 1920, 519,914.
Passengers, 1921, 1,090,963.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Other vegetable products		1,374		$420,554
Logwood	801		$14,320	
Seed	2		526	
Tobacco, leaf	[1] 457		403,732	
Tobacco stems	[1] 114		1,976	
Textiles: Old jute bagging	[1] 129	129	2,829	2,829
Wood and paper: Wood pulp	[2] 15,378	15,378	316,715	316,715
Nonmetallic minerals		135		10,365
Fullers earth	123		1,756	
Earthenware	12		8,609	
Machinery and vehicles		6		4,687
Machinery and parts of	4		2,187	
Automobiles	[1] 2		2,500	
Chemicals		6		3,715
Aniline dyes	3		3,093	
Whitelead and zinc	3		622	
Unclassified		30	14,689	
Antiques	3		3,424	
Dolls and other toys	20		7,977	
Personal and household effects	6		1,699	
All other	1		1,589	
Total		17,058		773,554

[1] Articles of American manufacture returned. [2] Includes 264 tons of damaged pulp, valued at $8,753.

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CHANNEL TO NEWPORT NEWS, VA.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Animals and animal products		6,505		$1,281,277
Cattle	4,981		$1,128,575	
Sheep	150		25,761	
Lambs	60		22,072	
Evaporated milk	213		56,400	
Leather, scrap	10		268	
Leather foot appliances	1		2,763	
Wax	1,090		45,438	
Vegetable food products		25,224		1,238,337
Corn	10,812		319,998	
Corn flour	490		18,330	
Grits	1,501		55,984	
Corn flakes	42		8,300	
Oat meal	35		1,624	
Rolled oats	450		33,387	
Wheat	1,170		54,580	
Wheat flour	9,360		683,643	
Macaroni	50		8,600	
Mill feed	191		4,905	
Potatoes, white	29		1,519	
Canned fruit	234		5,200	
Peanuts	120		13,870	
Cottonseed oil	19		3,000	
Glucose	703		24,532	
Raw sugar	1		240	
Quick malt	17		625	
Other vegetable products		29,888		17,394,250
Pitch	1		204	
Seed	99		27,461	
Fustic extract	6		1,276	
Leaf tobacco	16,590		14,741,485	
Scrap tobacco	53		2,050	
Cigarettes	1,442		1,838,412	
Plug tobacco	232		281,651	
Smoking tobacco	93		78,262	
Tobacco extract	3		1,094	
Starch	11,369		422,355	
Textiles		732		191,827
Cotton	731		183,217	
Cotton fabrics	1		8,610	
Wood and paper		10,444		651,971
Logs, hickory	12		1,500	
Logs, sassafras	23		1,887	
Lumber, pine	116		4,704	
Lumber, oak	6,852		303,134	
Lumber, poplar	1,419		150,085	
Lumber, maple flooring	698		23,203	
Lumber, chestnut	47		1,882	
Lumber, walnut	165		26,528	
Staves	524		28,024	
Tool handles	121		20,396	
Wood billets	59		11,266	
Paper	61		16,723	
Blotting paper	80		10,130	
Cigarette paper	7		5,967	
Building paper	2		390	
Churns, tubs, and pails	21		4,911	
Other woodenware	2		425	
Office furniture	22		4,117	
Pencil slats	45		14,957	
Oak squares	34		1,227	
Chipboard	134		20,565	
Nonmetallic minerals		2,582,034		12,930,357
Coal, bituminous	2,581,491		12,907,455	
Coke	238		3,570	
Oils, lubricating	173		9,758	
Cement	93		2,227	
Glass and glassware	11		3,227	
Fuller's earth	28		4,120	
Ores, metals, and manufactures of		309		87,390
Pig iron	56		2,325	
Iron pipe and pipe fittings	10		8,126	
Other manufactures of iron and steel	14		8,305	
Manufactures of lead	229		68,634	

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CHANNEL TO NEWPORT NEWS, VA.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Machinery and vehicles		206		$307,334
Automobiles	187		$210,639	
Automobile parts	10		93,202	
Machinery	9		3,493	
Chemicals		2,115		120,251
Dextrine	1,051		74,810	
Ocher	956		33,673	
Carbon black	30		4,489	
Soap, laundry	78		7,279	
Unclassified		7		4,566
Dental plaster	1		252	
Household effects	3		3,480	
All other articles, n. e. s.	3		824	
Total		2,657,464		34,207,550
Total imports and exports		2,674,522		34,981,104

Classes and commodities.	Amount in short tons.			Value.		Average haul.	Rate per ton-mile.
	By commodities.		By classes.	By commodities.	By classes.		
	Bulk.	Package.					
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Wood and paper: Lumber	1,370		1,370	$17,000	$17,000	600	0.0052
Nonmetallic minerals			1,491		9,145		
Coal, anthracite	623			6,541		200	.0031
Stone	868			2,604		225	.0031
Total	2,861		2,861		26,145		
SHIPMENTS, COASTWISE.							
Nonmetallic minerals: Coal, bituminous	1,176,746		1,176,746	5,883,730	5,883,730		
Total	1,176,746		1,176,746		5,883,730		
Total receipts and shipments	1,179,607		1,179,607		5,909,875	[1] 584	[2] .00203
RECEIPTS, INTERNAL.							
Animals and animal products			96		36,034		
Fresh meats		59		25,440		11	.36
Eggs		16		5,344		11	.71
Fresh fish		21		5,250		11	.91
Vegetable food products: Peanuts		31	31	3,472	3,472	11	.31
Unclassified: All other		416	416	41,600	41,600	11	.36
Total		543	543		81,106		
SHIPMENTS, INTERNAL.							
Vegetable food products			95		6,678		
Corn meal		34		1,700		11	.32
Flour		21		1,890		11	.23
Hay		18		360		11	.32
Sugar		22		2,728		11	([3])
Machinery and vehicles: Automobiles		8	8	8,000	8,000	11	.73
Unclassified: All other		601	601	60,100	60,100	11	.18
Total		704	704		74,778		
Total receipts and shipments		1,247	1,247		155,884		

[1] Average haul of about 86 per cent of total coastwise shipments of bituminous coal from Hampton Roads.
[2] Average rate of about 27 per cent of total coastwise shipments of bituminous coal from Hampton Roads.
[3] No statistics available.

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CHANNEL TO NEWPORT NEWS, VA.—continued.

CARGOES IN TRANSIT.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Cattle	371	$66,780	Other manufactures of wood	631	$70,710
Canned milk	1,354	297,880	All other forest products	28,211	153,833
Barley	32,681	1,294,168	Coal	43,846	219,230
Malt	2,195	109,750	Gasoline	79,834	5,189,210
Corn	37,451	1,011,177	Gas and fuel oil	78,889	2,027,672
Rice	1,573	188,760	Lubricating oils and grease	6,141	462,855
Wheat	460,663	27,639,780	Other petroleum oils	81,004	2,502,808
Other grain	9,933	645,993	Parafine wax	1,059	180,030
Flour, wheat	11,378	1,024,020	Sand and gravel	64,284	110,519
Other flour	4,484	282,150	Cement	938	14,539
Cottonseed oil cake	10,822	389,596	Sulphur	12,955	246,145
Cottonseed meal	2,020	72,720	Salt	2,215	16,612
Cottonseed oil	577	92,320	Steel billets	109	3,488
Cotton seed	542	20,596	Railroad rails	5,859	234,360
Canned vegetables	8,788	479,825	Other manufactures of iron and steel	21,966	1,337,016
Other vegetable food products	2,846	139,666	Copper	1,901	448,636
Sugar	58,575	7,029,000	Lead	506	60,720
Sirup	840	84,000	Tin	224	48,106
Naval stores	1,716	336,014	Machinery	15,715	6,986,500
Tanning extract	1,009	111,000	Automobiles, tractors, and parts	1,222	1,222,000
Tobacco and manufactures of	4,080	4,156,650	Fertilizer	3,535	172,570
Hops	92	92,000	Nitrate of soda	93,776	5,626,560
Starch	2,321	278,520	Phosphate rock	60,764	607,640
Cotton	40,647	11,421,807	Other chemicals	930	99,151
Railroad ties	7,932	95,184	Unclassified	633,507	171,022,098
Staves	428	74,900			
Lumber	17,539	240,621			
Wood pulp	4,241	169,640			
Paper and books	995	147,800	Total	1,968,414	257,055,325

RAILROAD CAR FERRY TRAFFIC.[1]

Grain	6,510	$351,540	Fertilizer	6,802	$306,090
Cotton	795	223,395	Unclassified	186,552	21,502,080
Cotton factory products	563	371,580			
Lumber	9,561	114,732	Total	303,501	123,425,725
Coal	92,718	556,308			

[1] Records of traffic destroyed, amounts approximate.

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CHANNEL TO NEWPORT NEWS, VA.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			6,505	$1,281,277			96	$36,034	6,601	$1,317,311
Vegetable food products			25,224	1,238,337			126	10,150	25,350	1,248,487
Other vegetable products	1,374	$420,554	29,888	17,394,250					31,262	17,814,804
Textiles	129	2,829	732	191,827					861	194,656
Wood and paper	15,378	316,715	10,444	651,971	1,370	$17,000			27,192	985,686
Nonmetallic minerals	135	10,365	2,582,034	12,930,357	1,178,237	5,892,875			3,760,406	18,833,597
Ores, metals, and manufactures of			309	87,390					309	87,390
Machinery and vehicles	6	4,687	206	307,334			8	8,000	220	320,021
Chemicals	6	3,715	2,115	120,251					2,121	123,966
Unclassified	30	14,689	7	4,556			1,017	101,700	1,054	120,945
Total	17,058	773,554	2,657,464	34,207,550	1,179,607	5,909,875	1,247	155,884	3,855,376	41,046,863

	Short tons.	Value.
Car ferry	303,501	$23,425,725
Cargoes in transit	1,968,414	257,055,325

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About 69 per cent of the traffic of the port in 1921 was foreign, of which about 96 per cent was export bituminous coal.

Imports amounted to 17,058 tons valued at $773,559. The principal articles imported were wood pulp and log wood.

The tonnage and values of the chief exports in 1921, were as follows:

Classes of commodities.	Tons.	Value.
Vegetable food products	25,224	$1,238,337
Other vegetable products, except paper and wood	29,888	17,394,250
Nonmetallic minerals	2,582,034	12,930,357

The inbound coastwise traffic amounted to 2,861 tons with a value of $26,145, and the outbound coastwise, principally bituminous coal, valued at $5,883,730.

The aggregate of coal dumped at the Newport News piers amounted to 4,840,484 short tons, or about 39 per cent less than in 1920.

Vessel classification, 1921.[1]

ENTERED.

Trade and nationality of vessels.	Steam.		Sail.		Total.	
	Number.	Net registered tonnage.	Number.	Net registered tonnage.	Number.	Net registered tonnage.
Foreign trade:						
American vessels	94	303,622	16	17,388	110	309,103
Foreign vessels	643	2,099,766	5	5,481	648	2,105,247
Total	737	2,403,388	21	22,869	758	2,414,350
Coastwise trade:						
American vessels [2]	158	547,732	11	12,076	169	559,808
Foreign vessels	153	359,274	8	9,285	161	368,559
Total	311	907,006	19	21,361	330	928,367
Total foreign and coastwise trade	1,048	3,310,394	40	44,230	1,088	3,342,717

CLEARED.

Foreign trade:						
American vessels	139	465,854	19	17,500	158	483,354
Foreign vessels	836	2,712,951	12	13,085	848	2,726,036
Total	975	3,178,805	31	30,585	1,006	3,209,390
Coastwise trade:						
American vessels [2]	104	377,219	4	3,613	108	380,832
Foreign vessels	188	566,576	4	5,367	192	570,943
Total	292	942,795	8	8,980	300	951,775
Total foreign and coastwise trade	1,267	4,121,600	39	39,565	1,306	4,161,165

[1] Includes only vessels that entered and cleared through customhouse.
[2] Statistics incomplete; American vessels enrolled in coastwise trade not required to enter or clear.

NOTE.—The above tabulation includes vessels with cargoes pertaining to the port; also vessels in transit with cargoes or in ballast, calling at the port for bunker fuel, or other purposes.

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JAMES RIVER, VA.

Comparative statement of traffic.

Year.	Tons.	Value.[1]	Passengers.[2]	Year.	Tons.	Value.[1]	Passengers.[2]
1890 [3]	743, 122			1906	527, 818		
1891 [3]	739, 308			1907	560, 037	$32, 957, 000	
1892 [3]	616, 755			1908	462, 268	29, 329, 589	
1893 [3]	663, 625			1909	476, 465	32, 163, 423	
1894 [3]	616, 269			1910	627, 684	30, 202, 096	111, 106
1895 [3]	602, 582			1911	472, 537	27, 004, 395	47, 456
1896	680, 935			1912	507, 023	31, 163, 717	38, 610
1897	661, 909			1913	592, 165	33, 523, 461	43, 097
1898	472, 778			1914	452, 950	32, 813, 455	37, 842
1899	571, 802			1915	526, 468	51, 899, 841	81, 839
1900	609, 411			1916	593, 775	67, 011, 946	68, 094
1901	652, 451			1917	715, 255	70, 944, 786	49, 488
1902	549, 310			1918	513, 461	104, 379, 882	40, 877
1903	608, 180			1919	507, 581	61, 238, 885	31, 875
1904	524, 046			1920	429, 782	17, 075, 381	
1905	604, 762			1921 [4]	388, 545	52, 392, 509	

[1] No statistics available for years prior to 1907.
[2] No statistics available for years prior to 1910 or for years 1920 and 1921.
[3] These statistics apparently for fiscal year ending June 30.
[4] Includes 1,800 tons of rafted logs, valued at $16,000.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

RICHMOND, VA.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS AND SHIPMENTS, COASTWISE.						*Miles.*	
Animals and animal products:							
Leather		460	460	$414, 000	$414, 000	[1] 433	(2)
Vegetable food products			12, 140		2, 171, 725		
Grain		825		44, 550		[1] 433	(2)
Fruits, dried		480		172, 800		[1] 433	(2)
Coffee		2, 200		748, 000		[1] 433	(2)
Sugar		8, 000		992, 000		[1] 433	(2)
Confectionery		200		160, 000		[1] 433	(2)
Sirup		435		54, 375		[1] 433	(2)
Other vegetable products			12, 051		20, 140, 780		
Licorice mass		2, 000		1, 000, 000		[1] 433	(2)
Tanning extract		190		20, 900		[1] 433	(2)
Seed		430		178, 800		[1] 433	(2)
Leaf tobacco		3, 431		3, 431, 000		[1] 433	(2)
Cigars		1, 500		3, 360, 000		[1] 433	(2)
Cigarettes		1, 800		7, 920, 000		[1] 433	(2)
Plug tobacco		900		1, 350, 000		[1] 433	(2)
Smoking tobacco		1, 800		2, 880, 000		[1] 433	(2)
Textiles			2, 200		2, 016, 300		
Cotton goods		885		610, 500		[1] 433	(2)
Cotton yarn		215		129, 000		[1] 433	(2)
Burlaps		320		28, 800		[1] 433	(2)
Clothing		780		1, 248, 000		[1] 433	(2)
Wood and paper			5, 340		1, 289, 000		
Paper		4, 200		1, 008, 000		[1] 433	(2)
Books		1, 140		281, 000		[1] 433	(2)
Nonmetallic minerals: Lubricating oil		465	465	34, 875	34, 875	[1] 433	(2)
Ores, metals, and manufactures of			2, 775		659, 009		
Cotton ties		365		17, 009		[1] 433	(2)
Iron drums (empty)		410		82, 000		[1] 433	(2)
Lead foil		2, 000		560, 000		[1] 433	(2)

[1] Coastwise between Richmond and New York with 100 miles haul in James River.
[2] No statistics available.

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JAMES RIVER, VA.—continued.

RICHMOND, VA.—Continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS AND SHIPMENTS, COASTWISE—continued.						*Miles.*	
Chemicals			4,250		$4,182,250		
Coal-tar dyes		450		$14,250		[1] 433	(2)
Paint		1,600		512,000		[1] 433	(2)
Varnish		450		156,000		[1] 433	(2)
Drugs		1,750		3,500,000		[1] 433	(2)
Unclassified			11,116		3,042,450		
Building material		780		4,000		[1] 433	(2)
Pianos		145		108,750		[1] 433	(2)
Other articles, not elsewhere specified		10,191		2,929,700		[1] 433	(2)
Total receipts and shipments		50,797	50,797		33,950,389		
RECEIPTS AND SHIPMENTS, INTERNAL.							
Animals and animal products			505		298,150		
Live stock		40		8,000		[3] 114	(2)
Fresh meat		75		21,000		[3] 114	(2)
Fresh fish		35		8,750		[3] 114	(2)
Lard		280		110,400		73	(2)
Shoes		75		150,000		[3] 114	(2)
Vegetable food products			1,600		239,761		
Grain		200		10,800		57	(2)
Hay		100		2,000		57	(2)
Fresh vegetables		93		5,580		[3] 114	(2)
Fresh fruit		17		1,581		[3] 114	(2)
Canned fruit and vegetables		840		176,400		100	(2)
Sugar		350		43,400		80	(2)
Other vegetable products			1,400		1,386,700		
Pitch		300		11,700		[3] 114	(2)
Miscellaneous manufactures of tobacco		1,100		1,375,000		[3] 114	(2)
Wood and paper			26,896		694,615		
Soft wood logs	15,647			469,100		[3] 126	(2)
Lumber	675			1,215		[3] 125	(2)
Railroad ties	8,500			102,000		(2)	(2)
Woodenware		75		7,500		[3] 114	(2)
Paper		400		54,000		[3] 114	(2)
Roofing material		1,599		60,800		[3] 386	(2)
Nonmetallic minerals			102,830		4,477,083		
Coal, bituminous	1,320			9,242		52	(2)
Gasoline	50,676			3,213,600		[3] 288	(2)
Illuminating oil	20,048			601,425		[3] 279	(2)
Fuel oil	1,153			11,530		[3] 298	(2)
Gas oil	3,890			96,750		[3] 114	(2)
Petroleum and its products [4]	11,828			407,983		[3] 114	(2)
Building brick	9,282			44,553		52	(2)
Sulphur	4,633			92,000		[3] 114	$0.0054
Ores, metals, and manufactures of: Manufactures of iron and steel		900	900	180,000	180,000	[3] 114	(2)
Machinery and vehicles: Automobiles		60	60	60,000	60,000	[3] 114	(2)
Chemicals			4,220		96,920		
Crude tar		300		3,420		[3] 114	(2)
Kainite	2,016			45,000		[3] 114	.0067
Manure salts	784			23,500		[3] 114	.0067
Fish scrap	1,120			25,000		[3] 114	(2)
Unclassified: General merchandise [5]		41,430	41,430	7,357,500	7,357,500	(2)	(2)
Total	131,572	48,269	179,841		14,790,729		
Total, Richmond	131,572	99,066	230,638		48,741,118		

[1] Coastwise between Richmond and New York, with 100 miles haul in James River.
[2] No statistics available.
[3] 100-mile haul in James River.
[4] As reported by one oil company, which would not furnish statistics for the kinds of oil carried.
[5] Includes 20,000 tons, with value of $2,000,000, assumed to represent the traffic of two companies which failed to submit report.

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JAMES RIVER, VA.—continued.

POINTS ON JAMES RIVER BELOW RICHMOND, VA.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, COASTWISE.							
						Miles.	
Animals and animal products:							
Oysters in shell	408		408	$8,636	$8,636	[6] 364	$0.0155
Wood and paper			12,602		186,519		
Railroad ties	912			10,944		366	(2)
Firewood	3,990			21,575		398	[7] .0085
Box shooks	7,700			154,000		[8] 364	.0044
Total	13,010		13,010		195,155		
RECEIPTS AND SHIPMENTS, INTERNAL.							
Animals and animal products			1,314		331,166		
Sheep		25		3,250		24	.641
Horses		20		5,050		24	.250
Cattle		20		4,000		57	(2)
Fresh meat		60		20,620		11	.363
Pork carcasses		121		11,760		11	.363
Hams and shoulders, cured		200		135,000		24	.184
Bacon		72		43,200		24	.184
Live poultry		36		18,000		24	.416
Eggs		177		59,118		23	.433
Fresh fish		21		5,250		11	.909
Oysters in shell	522			9,918		24	.416
Lard		40		16,000		57	(2)
Vegetable food products			12,447		971,419		
Corn meal		636		31,800		23	.187
Flour		196		17,640		23	.169
Hay		798		15,960		23	.169
Potatoes, white		3,468		121,380		24	.139
Other fresh vegetables		641		24,999		24	.334
Apples		48		4,464		24	.167
Peanuts		6,537		732,144		26	.128
Sugar		93		11,532		(2)	(2)
Mineral water		30		1,500		57	(2)
Wood and paper			58,590		473,352		
Logs in rafts	1,800			16,000		(2)	(2)
Logs on barges	4,200			39,312		(2)	(2)
Pulpwood	5,568			20,123		100	.0112
Railroad ties	1,909			22,908		300	[9] .0017
Mine props	14,136			70,680		346	.0055
Piling	15			200		(2)	(2)
Firewood	8,312			44,979		[10] 200	[11] .0047
Lumber	22,650			249,150		294	[12] .006
Nonmetallic minerals			64,442		121,099		
Coal, bituminous	150			10,500		24	(2)
Sand	25,734			33,519		81	(2)
Gravel	38,500			77,000		81	(2)
Lime		8		80		24	.166
Machinery and vehicles: Automobile and parts		78	78	78,000	78,000	24	.039
Chemicals: Prepared fertilizer		800	800	36,000	36,000	24	(2)
Unclassified: All other		7,226	7,226	1,445,200	1,445,200	(2)	(2)
Total	123,546	21,351	144,897		3,456,236		
Total, points below Richmond	136,556	21,351	157,907		3,651,391		
Total, Richmond and points below	268,128	120,417	388,545		52,392,509		

[2] No statistics available.
[6] 14-mile haul in James River.
[7] Average rate for 1,692 tons with haul of 389 miles.
[8] 33-mile haul in James River.
[9] Rate for 883 tons with average haul of 318 miles.
[10] Haul for 4,472 tons.
[11] Rate for 1,266 tons with average haul of 325 miles.
[12] Rate for 6,995 tons with average haul of 280 miles.

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JAMES RIVER, VA.—continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	2,687	$1,051,952
Vegetable food products	26,187	3,382,905
Other vegetable products	13,451	21,527,480
Textiles	2,200	2,016,300
Wood and paper	103,428	4,633,057
Nonmetallic minerals	167,737	2,643,486
Ores, metals, and manufactures of	3,675	839,009
Machinery and vehicles	138	138,000
Chemicals	9,270	4,315,170
Unclassified	22,485	11,845,150
Total	388,545	52,392,509

Vessel classification, 1921.

PORT OF RICHMOND, VA.

Class.	American.	Draft, in feet.		Arrivals and departures.	Net registered tonnage.
		Least.	Greatest.		
Registered:					
Steamships	2	12	(1)	104	2,314
Steamboats	3	7	9.5	[2] 740	711
Towboats	11	4	14.5	[2] 211	[2] 935
Motor vessels	3	6.7	(1)	108	524
Barges	23	6	18.5	304	10,096
Unregistered: Deck scows	12	(1)	(1)	[2] 302	[3] 1,200
Total	[4] 54			[2] 1,769	[2] 15,780

[1] No statistics available.
[2] Partly estimated.
[3] Estimated.
[4] Exclusive of sail vessels, for which no statistics available.

NOTE.—Available data for vessel classification for points on James River below Richmond are too indefinite for tabulation.

APPOMATTOX RIVER, VA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.[2]	Year.	Tons.	Value.	Passengers.[2]
1890	21,693	$507,852		1906	30,438	510,924	
1891	26,275	(1)		1907	30,000	(1)	
1892	25,218	644,103		1908	31,830	365,200	
1893	(1)	(1)		1909	38,489	630,250	
1894	(1)	(1)		1910	20,973	416,142	
1895	(1)	(1)		1911	24,430	(1)	
1896	81,318	(1)		1912	34,284	(1)	
1897	84,031	(1)		1913	33,252	1,036,840	
1898	95,941	(1)		1914	40,172	1,364,186	
1899	(1)	(1)		1915	46,600	3,318,908	
1900	155,745	752,530		1916	85,110	5,094,994	
1901	145,509	859,921		1917	335,947	3,353,962	2,009
1902	100,648	909,158		1918	208,306	182,220	
1903	103,628	1,045,601		1919	300,000	231,000	
1904	42,245	510,424		1920	199,952	188,356	
1905	53,282	638,895		1921	110,457	171,516	

[1] No statistics available.
[2] No statistics for passengers available except for 1917.

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APPOMATTOX RIVER, VA.—continued.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTERNAL.							
Nonmetallic minerals: Sand and gravel	110,457	.....	110,457	$171,516	$171.516	*Miles.* 51	(1)

[1] Carried in owners' barges, cost unknown.

PAGAN RIVER, VA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1901	108,058	$1,040,899	(1)	1912	48,976	$8,124,675	67,006
1902	75,614	5,711,819	(1)	1913	58,951	14,076,617	63,798
1903	120,121	8,424,848	(1)	1914	52,858	12,758,124	61,874
1904	85,128	6,651,300	(1)	1915	49,194	12,089,700	57,815
1905	82,207	7,410,966	(1)	1916	35,473	8,323,900	56,340
1906	87,505	8,635,300	(1)	1917	18,834	5,650,200	38,766
1907	89,289	13,260,101	(1)	1918	37,554	6,125,273	35,878
1908	84,108	14,100,400	(1)	1919	23,113	4,906,211	29,490
1909	84,424	(2)	(1)	1920	13,500	895,360	[3] 6,672
1910	109,160	(2)	55,789	1921	22,418	1,695,401	21,899
1911	137,739	(2)	61,940				

[1] Not available prior to 1910.
[2] Not available.
[3] Steamboat line operated Apr. 26 to Dec. 31, 1920.

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PAGAN RIVER, VA.—continued.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	
Animals and animal products			453		$19,160		
Sheep		16		$2,080		24	$0.625
Horses		15		3,000		24	.250
Fresh meat		22		7,040		24	.417
Oysters in shell	400			6,980		24	(1)
Vegetable food products			1,473		66,732		
Flour		196		17,640		23	.169
Corn meal		636		31,800		23	.187
Hay		598		11,960		23	.169
Sugar		43		5,332		17	[2] .25
Nonmetallic minerals			1,043		41,095		
Coal, bituminous	150			10,500		11	(1)
Refined petroleum products [3]	885			30,515		24	(1)
Lime		8		80		24	.166
Machinery and vehicles			50		50,000		
Automobiles		23		23,000		21	.3
Automobile parts		27		27,000		24	.358
Chemicals			1,250		40,500		
Prepared fertilizer		800		36,000		24	(1)
Agricultural lime		450		4,500		24	(1)
Unclassified: All other articles, n. e. s.		1,342	1,342	134,200	134,200	18	.209
Total	1,435	4,176	5,611		351,627		
SHIPMENTS, INTERNAL.							
Animals and animal products			801		291,307		
Sheep		9		1,170		24	.67
Horses		5		2,000		24	.25
Fresh meat		38		13,680		11	.363
Pork carcasses, fresh		121		11,760		11	.636
Hams and shoulders, cured		200		135,000		24	.184
Bacon		72		43,200		24	.184
Live poultry		36		18,000		24	.416
Eggs		177		59,118		23	.433
Oysters in shell		122		2,129		24	.416
Fish, fresh		21		5,250		11	.909
Vegetable food products			10,894		896,987		
Hay		200		4,000		24	.135
Potatoes, white		3,468		121,380		24	.139
Other fresh vegetables		641		34,999		24	.334
Apples		48		4,464		24	.167
Peanuts		6,537		732,144		26	[4] .128
Wood and paper: Logs	4,200		4,200	39,060	39,060	24	(1)
Machinery and vehicles: Automobiles		28	28	28,000	28,000	24	.507
Unclassified: All other articles, n. e. s.		884	884	88,400	88,400	18	[5] .208
Total	4,200	12,607	16,807		1,343,754		
Total receipts and shipments	5,635	16,783	22,418		1,695,401		

[1] No statistics available.
[2] Rate for 21 tons hauled 24 miles.
[3] Statistics not available for the different kinds of petroleum products.
[4] Rate for 738 tons with average haul of 23 miles.
[5] Rate for 468 tons hauled 24 miles.

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PAGAN RIVER, VA.—continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	1,254	$310,407
Vegetable food products	12,367	963,719
Wood and paper	4,200	39,060
Nonmetallic minerals	1,043	41,095
Machinery and vehicles	78	78,000
Chemicals	1,250	40,500
Unclassified	2,226	222,600
Total	22,418	1,695,401

Vessel classification, 1921.[1]

Class.	American.	Net registered tonnage.	Arrivals.	Departures.	Passengers.
Registered and unregistered:					
Steamboats	1	268	312	312	21,899
Motor boats	6	(2)	(2)	(2)	.....
Power barges	2	52	29	29	.....
Barges	(2)	(2)	(2)	(2)	.....
Total	.....	.....	.....	.....	21,899

[1] Complete statistics available only for steamers and power barges.
[2] No statistics available.

NANSEMOND RIVER, VA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.[2]	Year.	Tons.	Value.	Passengers.
1890	217,738	(1)	.....	1906	91,063	$4,239,518	.....
1891	78,572	(1)	.....	1907	156,200	4,360,749	.....
1892	133,723	(1)	.....	1908	132,292	3,651,525	.....
1893	59,473	(1)	.....	1909	96,251	(1)	.....
1894	53,762	$1,488,911	.....	1910	96,794	(1)	1,927
1895	59,701	(1)	.....	1911	78,041	(1)	5,164
1896	61,405	(1)	.....	1912	63,709	2,402,920	3,428
1897	43,500	(1)	.....	1913	88,821	2,369,860	3,685
1898	31,796	815,860	.....	1914	81,738	554,865	.....
1899	(1)	(1)	.....	1915	50,351	570,738	.....
1900	16,693	244,925	.....	1916	38,721	472,410	.....
1901	119,892	1,737,081	.....	1917	36,822	495,966	.....
1902	50,950	720,156	.....	1918	49,289	714,154	.....
1903	36,127	1,244,334	.....	1919	38,811	412,654	.....
1904	22,119	459,225	.....	1920	57,278	1,094,390	.....
1905	77,204	797,592	.....	1921	51,888	828,880	.....

[1] No statistics available.
[2] No statistics available between 1890 and 1909 and between 1914 and 1921.

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NANSEMOND RIVER, VA.—continued.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS AND SHIPMENTS.						*Miles.*	
Vegetable food products			2,150		$239,708		
Hay		13		$364		9	(1)
Peanuts		2,137		239,344		31	(1)
Wood and paper			21,612		244,400	9	(1)
Cordwood	796			3,980		280	$0.0107
Pulp wood	915			5,334		(1)	(1)
Lumber	[2] 19,815			233,679		316	.00415
Staves		86		1,407	28	(1)	(1)
Nonmetallic minerals			20,882		128,271		
Bituminous coal	3,809			25,104		17	(1)
Gasoline		155		9,847		26	(1)
Illuminating oil		100		2,987		26	(1)
Broken stone	31			100		9	(1)
Cement		671		10,333		9	(1)
Gravel	101			328		9	(1)
Building brick	13,765			66,072		9	(1)
Concrete water pipe	2,250			13,500		7	(1)
Ores, metals and manufactures of			2,090		127,900		
Steel cars	250			17,500		9	(1)
Cast-iron pipe	1,840			110,400		9	(1)
Machinery and vehicles: Construction machinery	23		23	16,000	16,000	9	(1)
Chemicals			5,131		72,601		
Fertilizer material		5,067		69,721		219	.00267
Prepared fertilizer		64		2,880		9	(1)
Total	43,595	8,293	51,888		828,880		

[1] No statistics available.
[2] 18,437 tons to North Atlantic ports, 1,168 tons to internal points.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Vegetable food products	2,150	$239,708
Wood and paper	21,612	244,400
Nonmetallic minerals	20,882	128,271
Ores, metals and manufactures of	2,090	127,900
Machinery and vehicles	23	16,000
Chemicals	5,131	72,601
Total	51,888	828,880

Vessel classification.

Information too incomplete for report.

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ONANOCOCK RIVER, VA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1909	47,119	$2,903,130	(1)	1916	17,588	$1,916,812	3,774
1910	47,696	(1)	(1)	1917	16,630	3,213,550	3,774
1911	48,057	2,960,924	4,567	1918	11,048	1,319,945	2,547
1912	52,824	3,001,192	3,240	1919	14,330	1,362,882	3,664
1913	52,025	2,955,319	3,256	1920	14,243	1,306,810	(1)
1914	18,755	1,177,636	4,731	1921	12,647	1,110,139	2,943
1915	21,046	1,641,325	4,336				

[1] No statistics available.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS, INTERNAL.						
						Miles.
Vegetable food products: Grain products		425	425	$25,500	$25,500	130
Wood and paper			146		3,034	
Lumber		46		1,184		130
Locust pods	75			600		70
Shingles		25		1,250		70
Nonmetallic minerals			2,050		14,900	
Coal, anthracite	800			9,600		130
Building brick	1,250			5,300		130
Chemicals: Fertilizer		1,217	1,217	54,765	54,765	130
Unclassified: General merchandise		2,089	2,089	219,345	219,345	130
Total	2,125	3,802	5,927		317,544	
SHIPMENTS, INTERNAL.						
Animals and animal products			1,446		435,990	
Poultry and live stock		802		300,750		130
Fish and oysters		644		135,240		130
Vegetable food products			4,751		319,690	
Agricultural products		4,676		303,940		130
Canned goods		75		15,750		130
Wood and paper: Lumber	200		200	3,000	3,000	130
Unclassified: General merchandise		323	323	33,915	33,915	130
Total	200	6,520	6,720		792,595	
Total receipts and shipments	2,325	10,322	12,647		1,110,139	

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	1,446	$435,990
Vegetable food products	5,176	345,190
Wood and paper	326	6,034
Nonmetallic minerals	2,050	14,900
Chemicals	1,217	54,765
Unclassified	2,412	253,260
Total	12,647	1,110,139

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ONANCOCK RIVER, VA.—continued.

Vessel classification, 1921.

Class.	American.	Net registered tonnage.	Arrivals and departures.	Passengers.
Registered: Steamer	1	656	(1)	2,943
Unregistered:				
Motor boat	1	(1)	(1)	.....
Sail vessel	2	(1)	(1)	.....
Total	4	.....	.....	2,943

[1] No statistics available.

WATERWAY FROM NORFOLK, VA., TO THE SOUNDS OF NORTH CAROLINA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.[1]	Year.	Tons.	Value.	Passengers.[2]
1899	47,842	$285,884	.....	1911	574,008	(2)	.....
1900	107,094	721,140	.....	1912	413,764	$5,579,914	.....
1901	214,263	1,485,409	.....	1913	336,626	4,493,357	.....
1902	290,670	2,502,161	.....	1914	374,260	4,587,236	.....
1903	(2)	2,634,590		1915	413,679	10,310,650	.....
1904	(2)	2,880,087	.....	1916	383,446	10,987,651	.....
1905	(2)	3,785,999	.....	1917	271,788	18,302,176	.....
1906	388,488	3,644,646	.....	1918	190,605	8,874,117	.....
1907	366,339	4,559,440	.....	1919	140,611	7,352,753	369
1908	319,573	5,613,700	.....	1920[4]	132,201	[3] 3,843,096	.....
1909	361,655	5,670,070	.....	1921[5]	112,586	2,540,291	1,059
1910	614,905	(2)	.....				

[1] No statistics available except for 1919 and 1921.
[2] No statistics available.
[3] There were also floated in rafts, northbound, 8,430 tons of forest products of an estimated value of $35,000.
[4] Tonnage through Dismal Swamp Canal only.
[5] Traffic through Dismal Swamp Canal, 85,178 tons.

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WATERWAY FROM NORFOLK, VA., TO THE SOUNDS OF NORTH CAROLINA—continued.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
NORTHBOUND, INTERNAL.						*Miles.*
Animals and animal products			3,265		$165,500	
Poultry		5		$2,500		33
Fresh fish		3,260		163,000		50
Vegetable food products			16,459		782,252	
Grain		280		7,560		12
Fresh vegetables		15,979		766,992		27
Cottonseed		200		7,700		12
Textiles: Cotton		139	139	39,059	39,059	17
Wood and paper			67,382		355,023	
Logs	27,426			91,050		(1)
Mine props	22,295			111,475		(1)
Piling	12,570			87,990		32
Lumber	4,684			47,380		29
Shingles		363		16,424		25
Laths		44		704		32
Nonmetallic minerals: Sand	4,242		4,242	9,544	9,544	35
Unclassified: General merchandise		212	212	21,200	21,200	31
Total	71,217	20,482	91,699		1,372,578	
SOUTHBOUND, INTERNAL.						
Animals and animal products: Oyster shells	834		834	2,919	2,919	100
Vegetable food products			600		17,668	
Grain		217		6,944		32
Hay		383		10,724		30
Wood and paper			172		2,928	
Lumber	144			1,584		33
Shingles		28		1,344		25
Nonmetallic minerals			5,913		37,933	
Coal, anthracite	986			10,188		61
Petroleum oil		145		4,785		31
Brick	4,782			22,960		63
Chemicals: Prepared fertilizer		5,529	5,529	193,525	193,525	39
Unclassified: General merchandise		7,839	7,839	912,740	912,740	(1)
Total	6,746	14,141	20,887		1,167,713	
Total northbound and southbound	77,963	34,623	112,586		2,540,291	

[1] No statistics available.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	4,099	$168,419
Vegetable food products	17,059	799,920
Textiles	139	39,059
Wood and paper	67,554	357,951
Nonmetallic minerals	10,155	47,477
Chemicals	5,529	193,525
Unclassified	8,051	933,940
Total	112,586	2,540,291

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WATERWAY FROM NORFOLK, VA., TO THE SOUNDS OF NORTH CAROLINA—continued.

Vessel classification, 1921.

VESSELS USING DISMAL SWAMP CANAL.

Class.	Number.	Number of trips, northbound and southbound.	Aggregate net registered tonnage.	Passengers.
Registered: Steamers	1	312	11,856	(1)
Registered and unregistered:				
Steamers	7	7	(1)	(1)
Towboats	(1)	572	(1)	(1)
Sail	(1)	46	(1)	(1)
Barges	(1)	739	(1)	(1)
Unclassified	(1)	442	(1)	(1)
Rafts	41	.....	.....	(1)
Total	.....	.....	.....	(1)

VESSELS USING OTHER PARTS OF WATERWAY.

Registered:				
Steamers	2	364	110,292	267
Motor boats	3	[3] 300	[3] 4,100	792
Total	5	[3] 664	[3] 114,392	1,059

[1] No statistics available.
[2] No statistics available for vessels "Registered and unregistered."
[3] Estimated.

INLAND WATERWAY FROM NORFOLK, VA., TO BEAUFORT INLET, N. C.

Comparative statement of traffic.

Year.	Tons.	Values.	Passengers.[1]	Year.	Tons.	Values.	Passengers.[1]
1890	403,111	(2)	.....	1906	100,000	$2,500,000	.....
1891	328,609	(2)	.....	1907	188,543	(2)	.....
1892	281,542	(2)	.....	1908	133,081	(2)	.....
1893	296,520	(2)	.....	1909	195,237	(2)	.....
1894	285,455	$4,792,568	.....	1910	135,626	(2)	.....
1895	324,866	7,721,096	.....	1911	100,439	(2)	.....
1896	322,947	7,600,049	.....	1912	90,337	1,791,085	.....
1897	301,055	6,858,900	.....	1913	(2)	(2)	.....
1898	188,573	2,614,959	.....	1914	229,047	3,228,537	7,531
1899	300,000	2,500,000	.....	1915	158,644	4,316,776	7,547
1900	195,958	1,463,952	.....	1916	141,029	4,044,446	6,296
1901	210,264	2,047,396	.....	1917	148,134	7,404,681	6,851
1902	199,062	1,654,845	.....	1918	132,143	5,882,588	3,887
1903	203,812	1,477,080	.....	1919	117,870	4,386,898	4,119
1904	144,041	(2)	.....	1920	[3] 118,187	7,360,574	5,876
1905	88,580	(2)	.....	1921	[4] 261,420	7,712,763	8,463

[1] No statistics available prior to 1914.
[2] No statistics available.
[3] There were also floated in rafts, northbound, 48,000 tons of forest products of an estimated value of $215,000.
[4] Also rafted, northbound, 24,000 tons forest products, valued at $76,800.

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INLAND WATERWAY FROM NORFOLK, VA., TO BEAUFORT INLET, N. C.—continued.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
NORTHBOUND, INTERNAL.						*Miles.*	
Animals and animal products			1,507		$367,571		
Live stock		257		$88,706		[1] 70	[1] $0.206
Live poultry		113		56,500		68	[1] .185
Fresh pork		20		11,200		70	(2)
Fresh eggs		39		13,026		79	[1] .15
Fresh fish		738		184,500		[1] 61	[1] .133
Oysters in shell	326			5,689		(2)	(2)
Cattle hides		13		1,950		[1] 60	.05
Furs		1		6,000		70	(2)
Vegetable food products			10,965		375,573		
Corn		766		20,542		[1] 111	[1] .023
Potatoes		9,076		317,660		[1] 70	(2)
Other fresh vegetables		202		11,029		[1] 68	(2)
Fresh fruits		866		20,182		[1] 126	[1] .038
Peanuts		55		6,160		(2)	(2)
Other vegetable products: Leaf tobacco		42	42	42,000	42,000	(2)	(2)
Textiles: Cotton		4,785	4,785	1,344,585	1,344,585	(2)	(2)
Wood and paper			157,703		1,273,654		
Logs	21,786			231,000		338	(2)
Piling	4,250			13,472		(2)	(2)
Lumber	104,498			681,726		372	[1] .004
Pulp wood	1,578			8,537		(2)	(2)
Railroad ties	250			3,000		(2)	(2)
Firewood	8,691			48,479		(2)	(2)
Staves	11,590			185,440		[1] 46	[1] .0325
Box shooks		5,100		102,000		516	.0024
Unclassified: All other articles, n. e. s.		4,730	4,730	473,000	473,000	[1] 65	[1] .092
Total	152,929	26,803	179,732		3,876,383		
SOUTHBOUND, INTERNAL.							
Animals and animal products			1,350		636,526		
Horses and mules		71		21,200		[1] 56	[1] .20
Hams, shoulders, and pickled pork		119		37,410		[1] 65	[1] .062
Canned meats		8		4,328		[1] 65	[1] .06
Canned milk		115		32,200		[1] 109	[1] .037
Butter		14		11,788		107	.062
Cheese		95		43,890		65	.095
Oysters, fresh, canned		2		800		70	(2)
Animal oils		2		570		70	(2)
Lard and lard substitutes		9		3,280		[1] 65	(2)
Oleomargarine		189		128,520		65	.046
Other animal food products		724		348,540		(2)	(2)
Boots and shoes		2		4,000		70	(2)
Vegetable food products			7,893		485,208		
Corn		766		20,452		[1] 67	[1] .037
Corn meal		134		6,700		175	.014
Wheat		70		4,200		(2)	(2)
Flour		2,184		196,560		[1] 83	[1] .03
Oats		215		8,467		70	(2)
Oatmeal		215		17,415		64	.037
Hay		2,009		56,252		[1] 68	[1] .046
Straw		70		945		70	(2)
Mill feed		200		5,200		211	.014
Dried beans and peas		851		22,126		[1] 65	[1] .058
Fresh vegetables		43		2,204		52	(2)
Canned vegetables		8		1,280		70	(2)
Citrus fruits		53		5,035		66	.11
Apples		32		2,976		67	.058
Canned fruits		82		13,796		65	.058
Coffee		10		3,400		66	.076

[1] Based on part of tonnage; statistics for entire tonnage not available.
[2] No statistics available.

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INLAND WATERWAY FROM NORFOLK, VA., TO BEAUFORT INLET, N. C.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SOUTHBOUND, INTERNAL—con.							
Vegetable food products—Con.						*Miles.*	
Sugar		932		$115,692		[1] 111	[1] $0.024
Sirup		2		250		70	(2)
Beverages		17		2,278		70	(2)
Other vegetable products			35		$25,592		
Turpentine		3		1,254		65	.117
Drugs		9		9,000		70	(2)
Seed		3		1,248		70	(2)
Manufactures of tobacco		8		12,650		70	(2)
Starch		12		1,440		66	.092
Textiles: Jute bagging		62	62	5,580	5,580	70	(2)
Wood and paper			276		14,652		
Laths	94			1,604		(2)	(2)
Shingles	77			3,696		[1] 46	[1] .0325
Staves	85			1,352		140	(2)
Furniture		20		8,000		70	(2)
Nonmetallic minerals			37,446		622,424		
Anthracite coal	1,931			23,170		196	[1] .0149
Bituminous coal	5,565			38,955		189	[1] .0127
Gasoline	1,614			112,980		(2)	(2)
Other petroleum products [3]	5,976			287,173		(2)	(2)
Sand	2,223			3,334		318	.0042
Gravel	4,724			9,448		318	.0042
Cement		5,660		87,164		(2)	(2)
Building lime		62		620		(2)	(2)
Brick	8,728			52,368		(2)	(2)
Salt		963		7,212		(2)	(2)
Ores, metals, and manufactures of			54		4,260		
Barbed wire		30		1,800		70	(2)
Hardware		18		1,410		[1] 110	(2)
Agricultural tools		6		1,050		(2)	(2)
Machinery and vehicles			22		14,250		
Gasoline engines		6		2,000		70	(2)
Automobiles		11		11,000		65	.23
Wagons		5		1,250		(2)	(2)
Chemicals			26,088		1,017,632		
Baking powder		3		1,125		75	(2)
Acid phosphate	2,026			27,857		350	.0038
Fish scrap	784			31,360		211	.0058
Other fertilizer materials	3,874			46,500		(2)	(2)
Prepared fertilizer mixtures	12,819	5,670		899,450		[1] 232	[1] .0069
Agricultural lime	480			3,840		87	.0039
Other fertilizers	877			6,900		(2)	(2)
Soap		5		600		70	(2)
Unclassified			8,512		1,010,256		
General merchandise		3,298		989,400		[1] 65	[1] .092
Miscellaneous building material	5,214			20,856		(2)	(2)
Total	56,591	25,097	81,688		3,836,380		
Total, northbound and southbound	209,520	51,900	261,420		7,712,763		

[1] Based on part of tonnage, statistics for entire tonnage not available.
[2] No statistics available.
[3] Statistics not available for the different kinds of petroleum products.

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INLAND WATERWAY FROM NORFOLK, VA., TO BEAUFORT INLET, N. C.—continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	2,857	$1,004,097
Vegetable food products	18,858	860,781
Other vegetable products	77	67,592
Textiles	4,847	1,350,165
Wood and paper	157,979	1,288,306
Nonmetallic minerals	37,446	622,424
Ores, metals and manufactures of	54	4,260
Machinery and vehicles	22	14,250
Chemicals	26,038	1,017,632
Unclassified	13,242	1,483,256
Total	261,420	7,712,763

Vessel classification, 1921.[1]

Class.	Number of trips.		Total net tonnage.	Number of passengers.
	North-bound.	South-bound.		
Registered and unregistered:[2]				
Steamboats	434	413	75,356	8,463
Towboats	376	363	15,066	
Government boats	404	401	30,384	
Sail	661	701	28,044	
Barges—				
Canal	173	168	120,892	
Other	133	95	25,950	
Yachts	164	95	9,138	
Small craft	459	515	(2)	
Rafts	91			
Total	2,895	2,751	304,830	8,463

[1] Vessels passing through waterway at Great Bridge, Va.
[2] No statistics available.

BLACKWATER RIVER, VA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1906	5,200	$832,000	(1)	1914	3,821	$371,869	480
1907	5,300	846,400	(1)	1915	3,622	337,880	408
1908	5,390	862,400	(1)	1916	3,893	314,883	358
1909	5,410	866,080	563	1917	3,712	633,900	425
1910	6,102	(1)	500	1918[1]			
1911	4,126	363,937	587	1919[1]			
1912	4,202	373,982	580	1920[1]			
1913	4,148	384,291	530	1921	2,544	303,526	

[1] No statistics available.

Practically all of the water-borne commerce on the river is carried by the Albemarle Steam Navigation Co. This company did not furnish any statistics of its business on the river for 1918, 1919, and 1920.

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BLACKWATER RIVER, VA.—continued.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS AND SHIPMENTS, INTERNAL.					
Vegetable food products: Peanuts	.....	1,103	1,103	$110,300	$110,300
Textiles: Cotton	.....	91	91	25,571	25,571
Chemicals	.....	.....	600	.....	17,655
Land plaster	.....	150	.....	1,905	.....
Prepared fertilizer	.....	450	.....	15,750	.....
Unclassified: General merchandise	.....	750	750	150,000	150,000
Total	.....	2,544	2,544	.....	303,526

SUMMARY.

Classes of commodities.	Tons.	Value.
Vegetable food products	1,103	$110,300
Textiles	91	25,571
Chemicals	600	17,655
Unclassified	750	150,000
Total	2,544	303,526

Vessel classification, 1921.

Class.	Number.	Net registered tonnage.	Arrivals.	Departures.	Passengers.
Registered: Steamers	2	389	62	62	None.

MEHERRIN RIVER, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1906	8,900	$85,750	(1)	1914	16,640	$1,447,130	7,000
1907	9,321	1,053,330	(1)	1915	23,836	1,354,428	11,039
1908	8,690	1,086,700	(1)	1916	30,937	1,360,005	7,733
1909	14,802	1,125,260	5,231	1917	51,380	2,134,515	6,269
1910	12,204	(1)	(1)	1918 [1]	.....	.....	.....
1911	14,111	(1)	11,612	1919 [1]	.....	.....	.....
1912	27,258	1,362,618	10,800	1920 [1]	.....	.....	.....
1913	20,056	1,550,025	11,849	1921	6,858	1,649,427	.....

[1] No statistics available.

Practically all of the water-borne commerce of Meherrin River is carried by the Albemarle Steam Navigation Co. No statistics were furnished by this company of its traffic on the river for 1918, 1919, and 1920.

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MEHERRIN RIVER N. C.—continued.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes of commodities.	Amount in short tons, by commodities. (Package.)	Amount in short tons, by classes.	Value.	
			By commodities.	By classes.
RECEIPTS AND SHIPMENTS, INTERNAL.				
Vegetable food products		3,000		$272,101
Hay	159		$4,770	
Cottonseed meal	82		2,255	
Peanuts	2,595		259,500	
Cotton seed	164		5,576	
Other vegetable products: Tobacco, leaf	4	4	4,000	4,000
Textiles: Cotton	329	329	92,449	92,449
Chemicals		2,449		64,677
Land plaster	740		9,398	
Prepared fertilizer	1,493		52,255	
Agricultural lime	216		3,024	
Unclassified: General merchandise	1,076	1,076	216,200	216,200
Total	6,858	6,858		649,427

SUMMARY.

Classes of commodities.	Tons.	Value.
Vegetable food products	3,000	$272,101
Other vegetable products	4	4,000
Textiles	329	92,449
Chemicals	2,449	64,677
Unclassified	1,076	216,200
Total	6,858	649,427

Vessel classification, 1921.

Class.	Number.	Net registered tonnage.	Arrivals.	Departures.	Passengers.
Registered: Steamers	2	389	110	110	None.

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ROANOKE RIVER, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.[1]	Logs rafted.[2]	
				Tons.	Value.
1870	150,600	(3)			
1880	182,700	(3)			
1891	376,181	(3)			
1892	42,039	(3)			
1893	121,024	(3)			
1901	226,736	$1,136,940			
1902	163,564	894,361			
1903	115,875	942,490			
1904	32,790	209,000			
1905 [4]					
1906	88,508	1,032,400			
1907	61,108	3,744,000			
1908	78,775	1,402,080			
1909	68,113	1,383,905	2,000		
1910	53,989	(3)	1,600		
1911	54,839	(3)			
1912	78,294	5,255,704			
1913	74,322	2,984,560			
1914	72,421	2,144,249			
1915	88,295	2,226,858			
1916	86,807	2,322,986			
1917	78,736	2,039,168			
1918	51,035	2,119,339		19,028	$126,849
1919	42,976	2,548,727		20,530	184,842
1920	61,593	1,035,130		54,114	180,390
1921	62,354	634,620		41,075	123,725

[1] No statistics available, except for 1909 and 1910.
[2] Included in (total) Tons and Value for 1918, 1919, 1920, and 1921.
[3] No statistics available.
[4] Incomplete.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS AND SHIPMENTS, INTERNAL.							
Animals and animal products:						*Miles.*	
Boots and shoes		4	4	$8,000	$8,000	(1)	(1)
Vegetable food products			1,386		138,201		
Corn		3		81		(1)	(1)
Oats		3		120		(1)	(1)
Peanuts		1,380		138,000		(1)	(1)
Other vegetable products, except fibers and wood: Tobacco, leaf		21	21	21,000	21,000	(1)	(1)
Textiles: Cotton		604	604	169,724	169,724	(1)	(1)
Wood and paper			51,383		183,825		
Logs on barges	10,300			60,000		338	(1)
Logs in rafts	41,075			123,725		(1)	(1)
Lumber		8		100		(1)	(1)
Nonmetallic minerals			7,047		10,930		
Sand	2,223			5,000		318	$0.0047
Gravel	4,724			5,130		318	.0047
Salt		100		800		(1)	(1)
Chemicals			1,282		38,740		
Prepared fertilizer		648		32,400		(1)	(1)
Agricultural lime		634		6,340		(1)	(1)
Unclassified			627		64,200		
Household effects		12		2,700		(1)	(1)
General merchandise		615		61,500		(1)	(1)
Total	58,322	4,032	62,354		634,620		

[1] No statistics available.

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ROANOKE RIVER, N. C.—continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	4	$8,000
Vegetable food products	1,386	138,201
Other vegetable products	21	21,000
Textiles	604	169,734
Wood and paper	51,383	183,825
Nonmetallic minerals	7,047	10,930
Chemicals	1,282	38,740
Unclassified	627	64,200
Total	62,354	634,620

Vessel classification, 1921.

Class.	American.	Draft in feet.	Arrivals and departures.	Net registered tonnage.
Registered:				
Steamers	2	6	[1] 240	103
Motor boats	3	(2)	(2)	67
Barges	7	(2)	40	2,665
Unregistered: Motor boats	[3] 3	(2)	1,200	(2)
Total	15			

[1] For one steamer. [2] No statistics available. [3] Used in towing log rafts.

NEWBEGUN CREEK, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.
1919	5,475	$453,700
1920[1]		
1921	3,823	223,835

[1] No statistics available.

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NEWBEGUN CREEK, N. C.—continued.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS AND SHIPMENTS, INTERNAL.					
Vegetable food products			3,300		$176,100
Grain		280		$15,120	
Hay		20		400	
Fresh vegetables		2,800		152,880	
Cottonseed		200		7,700	
Textiles: Cotton		100	100	28,100	28,100
Wood and paper			110		6,480
Lumber		100		6,000	
Shingles		10		480	
Nonmetallic minerals			52		635
Petroleum oils		7		350	
Coal		20		160	
Brick	25			125	
Chemicals: Prepared fertilizer		256	256	11,520	11,520
Unclassified: Miscellaneous articles		5	5	1,000	1,000
Total	25	3,798	3,823		223,835

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Vegetable food products	3,300	$176,100
Textiles	100	28,100
Wood and paper	110	6,480
Nonmetallic minerals	52	635
Chemicals	256	11,520
Unclassified	5	1,000
Total	3,823	223,835

One motor boat, carrying freight only; data too incomplete for tabulation.

Vessel classification.

HARBOR AT CAPE CHARLES CITY, VA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.[1]	Year.	Tons.	Value.	Passengers.[1]
1890	390,207	(2)		1906	1,723,635	$25,854,525	
1891	319,164	(2)		1907	2,121,301	53,032,525	
1892	341,269	$13,190,964		1908	1,811,731	45,293,275	
1893	393,352	15,150,000		1909	2,355,984	(2)	144,849
1894	427,723	17,108,920		1910	2,567,704	(2)	145,801
1895	455,269	18,211,760		1911	2,460,301	(2)	155,153
1896	487,004	(2)		1912	2,729,121	71,199,278	164,703
1897	(2)	(2)		1913	3,021,344	88,278,268	181,879
1898	569,894	(2)		1914	2,780,352	116,395,251	174,861
1899	591,298	(2)		1915	3,098,388	203,418,929	182,058
1900	(2)	(2)		1916	3,993,894	405,549,777	204,226
1901	940,646	9,369,210		1917	3,862,044	329,764,034	300,000
1902	1,031,598	10,315,980		1918	3,527,987	408,222,464	580,648
1903	1,155,962	11,559,520		1919	3,309,807	336,854,268	550,385
1904	1,404,146	14,041,460		1920	3,710,296	436,053,205	458,791
1905	1,512,798	15,127,980		1921	2,673,014	187,058,263	365,622

[1] No statistics available prior to 1909.

[2] No statistics available.

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HARBOR AT CAPE CHARLES CITY, VA.—continued.

[Navigation season, Jan. to Dec. 31, 1921.]

Freight traffic, 1921.

RAILROAD CAR-FERRY TRAFFIC.

Commodities.	Amount in short tons.	Value.
RECEIPTS AND SHIPMENTS.		
Meat, all kinds	9,985	$3,582,320
Fresh milk	141	16,920
Fresh fish and oysters	13,443	1,129,212
Hides	963	142,950
Boots and shoes	1,498	2,996,000
Potatoes, white	68,526	2,398,410
Other fresh vegetables and fruits	84,400	4,557,600
Canned goods	3,859	810,390
Peanuts	19,621	1,962,100
Cotton-seed oil	95,381	15,266,960
Cotton	5,723	1,608,163
Cotton piece goods	19,186	12,662,660
Dry goods	3,745	4,119,500
Lumber	944,379	11,332,548
Other forest products	343,481	6,869,620
Manufactures of wood	1,053	165,700
Anthracite coal	29,963	329,593
Bituminous coal	19,077	114,462
Petroleum and its products	37,454	1,870,338
Cement	76,062	1,171,354
Lime	7,556	75,560
Bricks	3,809	19,045
Structural iron and steel	67,528	3,048,760
Castings and machinery	30,292	7,058,400
Automobiles	5,243	5,243,000
Other vehicles	2,275	568,750
Fertilizer and fertilizer material	164,801	7,910,448
General merchandise	613,580	90,027,500
Total	2,673,014	187,058,263

Vessel classification, 1921.

Class.	American.	Net registered tonnage.	Arrivals.	Departures.	Draft.	Passengers.
Registered:					*Feet.*	
Steamers	3	2,207	2,192	2,192	9½-12	365,622
Towboats	9	1,318	8,298	8,298	12-14	.....
Car floats	10	13,275	8,288	8,288	6-10	.....
Total	22	16,800	18,778	18,778	.....	365,622

WILMINGTON, N. C., DISTRICT.

SCUPPERNONG RIVER, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1902	34,306	(1)	(1)	1912	26,653	$320,991	(1)
1903	46,213	(1)	(1)	1913	30,073	382,622	(1)
1904	51,473	$2,539,259	(1)	1914	27,234	355,370	(1)
1905	55,137	1,857,477	(1)	1915	9,448	389,478	(1)
1906	44,909	1,585,175	(1)	1916	10,443	433,036	(1)
1907	68,630	1,660,814	(1)	1917	9,065	679,829	(1)
1908	12,515	215,200	(1)	1918	20,734	1,001,477	(1)
1909	20,556	556,401	(1)	1919	35,860	1,348,781	(1)
1910	29,194	308,767	(1)	1920	7,102	678,276	500
1911	37,658	349,092	(1)	1921	11,969	354,130	500

[1] No statistics available.

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SCUPPERNONG RIVER, N. C.—continued.

[Season of navigation: Navigable the entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
UPSTREAM, INTERNAL.						*Miles.*
Animals and animal products			160		13,750	
Fish, fresh	75			11,250		4
Fish, salt		5		1,500		4
Oysters	80			1,000		8
Vegetable food products			520		91,524	
Cottonseed hulls		22		264		4
Cottonseed meal		25		750		4
Grain		5		250		4
Groceries		257		77,100		4
Hay		23		690		4
Potatoes, Irish		162		11,340		4
Soft drinks		17		680		4
Vegetables		9		450		4
Textiles: Dry goods		39	39	48,750	48,750	4
Wood and paper			231		4,250	
Empty truck barrels	40			2,400		4
Furniture		4		800		4
Lumber		36		360		4
Shingles		1		30		4
Timber, round (raft)	120			480		4
Wood	30			180		4
Nonmetallic minerals			565		22,627	
Brick		67		536		4
Cement		41		738		4
Coal		44		440		4
Gasoline	240			15,000		4
Kerosene	132			4,950		4
Lime		19		523		4
Salt		22		440		4
Ores, metals, and manufactures of:						
Hardware		38	38	11,400	11,400	
Chemicals: Fertilizer	1,630		1,630	58,680	58,680	4
Unclassified: Ice		161	161	1,610	1,610	4
Total, upstream	2,347	997	3,344		252,591	
DOWNSTREAM, INTERNAL.						
Animals and animal products			49		15,870	
Cattle		18		3,600		4
Eggs		19		9,120		4
Hogs		3		600		4
Fish, fresh		5		750		4
Fish, salt		1		300		4
Poultry		3		1,500		4
Vegetable food products			609		34,185	
Cotton seed		186		5,580		4
Potatoes, Irish		396		27,720		2
Potatoes, sweet		21		735		4
Watermelons		6		150		4
Textiles: Cotton		146	146	43,800	43,800	4
Wood and paper			7,821		37,684	
Empty fish boxes	100			2,000		4
Juniper logs	150			1,500		2
Lumber	200			2,000		4
Timber, round (scows)	5,760			23,040		11
Timber, round (rafts)	1,011			4,044		7
Shingles	100			3,000		4
Stakes	450			1,800		6
Wood	50			300		8
Total, downstream	7,821	804	8,625		131,539	
Total, upstream and downstream	10,168	1,801	11,969		384,130	

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SCUPPERNONG RIVER, N. C.—continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Upstream.		Downstream.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products	160	$13,750	49	$15,870	209	$29,620
Vegetable food products	520	91,524	609	34,185	1,129	125,709
Textiles	39	48,750	146	43,800	185	92,550
Wood and paper	231	4,250	7,821	37,684	8,052	41,934
Nonmetallic minerals	565	22,627			565	22,627
Ores and metals	38	11,400			38	11,400
Chemicals	1,630	58,680			1,630	58,680
Unclassified	161	1,610			161	1,610
Total	3,344	262,591	8,625	131,539	11,969	394,130

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers	5	199
Gasoline	6	68
Sail	7	143
Total	18	410

Number of passengers transported during the year, about 500.

Six to eight flats or lighters, towed by small motor boats, and five large scows, towed by steamboats, operated on the river during the year.

MANTEO (SHALLOWBAG BAY), N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.[1]
1910	10,513	$563,365.00	
1911	13,194	680,209.00	
1912	16,884	1,059,846.00	
1913	8,867	576,404.50	
1914	11,888	593,531.50	
1915	12,110	557,551.80	
1916	9,021	662,472.40	
1917	(2)	(2)	
1918	8,156	1,156,441.00	
1919	7,973	1,505,444.00	
1920	4,823	887,171.00	10,000
1921	5,008	511,742.00	10,000

[1] No data available for years prior to 1920. [2] No statistics available.

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MANTEO (SHALLOWBAG BAY), N. C.—continued.

[Season of navigation: Navigable the entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INBOUND, INTERNAL.					
Animals and animal products			698		$84,550
Fish, fresh	510			$76,500	
Fish, salt		18		5,400	
Oysters	140			1,750	
Clams		25		750	
Hard crabs		5		150	
Vegetable food products			646		131,547
Cottonseed hulls		16		192	
Cottonseed meal		18		540	
Grain		105		5,250	
Groceries		405		121,500	
Hay		57		1,710	
Soft drinks		9		360	
Vegetables		15		750	
Watermelons		5		125	
Potatoes, Irish		16		1,120	
Other vegetable products: Tar		5	5	115	115
Textiles: Dry goods		18	18	22,500	22,500
Wood and paper			771		17,141
Furniture		47		9,400	
Lumber		548		5,480	
Shingles		24		720	
Wood		120		720	
Poles		13		195	
Piles		11		330	
Empty oil barrels		8		296	
Nonmetallic minerals			836		38,396
Brick		12		96	
Cement		50		900	
Coal		47		470	
Gasoline		410		25,625	
Kerosene		213		7,987	
Lime		5		138	
Salt		84		1,680	
Machine oil		15		1,500	
Ores, metals, and manufactures of: Hardware		91	91	27,300	27,300
Machinery and vehicles: Machinery		12	12	1,800	1,800
Chemicals: Fertilizer		105	105	3,780	3,780
Unclassified			257		7,070
Ice		207		2,070	
Miscellaneous		50		5,000	
Total inbound	650	2,789	3,439		334,199
OUTBOUND, INTERNAL.					
Animals and animal products			505		79,278
Clams		16		480	
Eggs		2		960	
Fish, fresh		450		67,500	
Fish, salt		29		8,700	
Hogs		3		600	
Oysters		3		38	
Poultry		2		1,000	
Vegetable food products			843		79,105
Grain		75		3,750	
Groceries		120		36,000	
Hay		30		900	
Potatoes, Irish		495		34,650	
Potatoes, sweet		48		1,680	
Vegetables		10		500	
Watermelons		65		1,625	
Textiles: Dry goods		5	5	6,250	6,250
Wood and paper			25		1,275
Empty oil barrels		5		185	
Furniture		5		1,000	
Wood		15		90	

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MANTEO (SHALLOWBAG BAY), N. C.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
OUTBOUND, INTERNAL—continued.					
Nonmetallic minerals			130		$5,925
Gasoline		60		$3,750	
Kerosene		40		1,500	
Salt		20		400	
Lime		10		275	
Ores, metals, and manufactures of: Hardware		15	15	4,500	4,500
Chemicals: Fertilizer		10	10	360	360
Unclassified			31		850
Ice		25		250	
Miscellaneous		6		600	
Total outbound		1,564	1,564		177,543
Total inbound and outbound	650	4,353	5,003		511,742

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Inbound.		Outbound.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products	698	$84,550	505	$79,278	1,203	$163,828
Vegetable food products	646	131,547	843	79,105	1,489	210,652
Other vegetable products	5	115			5	115
Textiles	18	22,500	5	6,250	23	28,750
Wood and paper	771	17,141	25	1,275	796	18,416
Nonmetallic minerals	836	38,396	130	5,925	966	44,321
Ores and metals	91	27,300	15	4,500	106	31,800
Machinery and vehicles	12	1,800			12	1,800
Chemicals	105	3,780	10	360	115	4,140
Unclassified	257	7,070	31	850	288	7,920
Total	3,439	334,199	1,564	177,543	5,003	511,742

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers	1	74
Gasoline	12	117
Sail	5	61
Total	18	252

About 20 yachts came in the harbor for supplies during the year. Number of passengers transported during the year, about 10,000.

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WATERWAY CONNECTING SWAN QUARTER BAY WITH DEEP BAY, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1910	2,519	$177,357.00	1916	12,577	$596,607.00
1911	3,752	266,655.00	1917	11,948	801,038.00
1912	3,960	283,131.00	1918	11,914	847,561.00
1913	5,841	302,504.50	1919	6,723	715,786.00
1914	7,820	403,547.50	1920	8,733	887,957.00
1915	12,726	473,181.70	1921	8,426	458,307.00

Number of passengers carried in 1920, 3,500. No statistics for prior years.

[Season of navigation: Navigable the entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INBOUND, INTERNAL.					
Animals and animal products			270		$1,926
Oysters	132			$1,650	
Oyster shells	138			276	
Vegetable food products			725		129,192
Cottonseed hulls		26		312	
Cottonseed meal		41		1,230	
Groceries		390		117,000	
Hay		27		810	
Potatoes, Irish		4		280	
Soft drinks		229		9,160	
Vegetables		8		400	
Textiles: Dry goods		12	12	15,000	15,000
Wood and paper			683		8,590
Furniture		6		1,200	
Lumber		646		6,460	
Shingles		31		930	
Nonmetallic minerals			3,173		44,403
Brick		113		904	
Cement		14		252	
Coal	2,536			25,360	
Gasoline		144		9,000	
Kerosene		172		6,450	
Lime, building		21		577	
Lime, agricultural	160			1,600	
Salt		13		260	
Ores, metals, and manufactures of: Hardware		28	28	8,400	8,400
Machinery and vehicles: Machinery	204		204	30,600	30,600
Chemicals: Fertilizer		1,019	1,019	36,684	36,684
Unclassified: Ice		95	95	950	950
Total inbound	3,170	3,039	6,209		275,745
OUTBOUND, INTERNAL.					
Animals and animal products, except wool and hair			374		97,270
Cattle		52		10,400	
Eggs		92		44,160	
Fish, fresh	72			10,800	
Hogs		124		24,800	
Poultry		11		5,500	
Potatoes, Irish		23		1,610	
Vegetable food products			1,795		84,330
Cotton seed		300		9,000	
Grain		1,466		73,300	
Peanuts		29		2,030	
Wood and paper			48		962
Empty oil barrels		11		407	
Poles		37		555	
Total outbound	72	2,145	2,217		182,562
Total inbound and outbound	3,242	5,184	8,426		458,307

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WATERWAY CONNECTING SWAN QUARTER BAY WITH DEEP BAY, N. C.—continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Inbound.		Outbound.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	270	$1,926	374	$97,270	644	$99,196
Vegetable food products	725	129,192	1,795	84,330	2,520	213,522
Textiles	12	15,000			12	15,000
Wood and paper	683	8,590	48	962	731	9,552
Nonmetallic minerals	3,173	44,403			3,173	44,403
Ores and metals	28	8,400			28	8,400
Machinery and vehicles	204	30,600			204	30,600
Chemicals	1,019	36,684			1,019	36,684
Unclassified	95	950			95	950
Total	6,209	275,745	2,217	182,562	8,426	458,307

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.
Registered:		
Gas	11	151
Sail	12	178
Steam	1	7
Total	24	336

Number of passengers transported during the year, about 1,000.

PAMLICO AND TAR RIVERS, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1891	195,600	(1)	1906	491,384	$20,816,394.00
1892	107,097	(1)	1907	428,378	19,212,294.00
1893	119,505	(1)	1908	353,429	7,909,360.00
1894	119,979	(1)	1909	310,542	5,560,166.00
1895	183,226	(1)	1910	268,817	6,613,520.00
1896	251,887	(1)	1911	339,522	6,950,513.00
1897	363,513	(1)	1912	355,186	7,430,484.00
1898	348,575	(1)	1913	322,364	5,429,622.50
1899	507,481	(1)	1914	288,827	3,635,611.37
1900	613,895	(1)	1915	286,716	3,937,502.40
1901	935,311	(1)	1916	278,888	4,309,521.40
1902	832,015	(1)	1917	197,308	4,699,067.00
1903	845,377	(1)	1918	200,436	6,565,562.00
1904	514,401	$17,041,203.50	1919	156,943	7,058,110.00
1905	567,331	13,694,531.00	1920	139,951	6,158,686.00
			1921	145,772	3,725,932.00

[1] No statistics available.

Number passengers carried in 1920, 8,000. No statistics for prior years.

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PAMLICO AND TAR RIVERS, N. C.—continued.

[Season of navigation, navigable to Greenville the entire year, above Greenville during freshet stages, which generally prevail for four to six months during the year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
UPSTREAM, INTERNAL.						*Miles.*
Animals and animal products			3,914		$298,908	
Cattle		124		$24,800		23
Clams		18		540		38
Eggs		39		18,720		21
Fish, fresh	1,148			172,200		36
Fish, salt		38		11,400		40
Hogs		112		22,400		21
Oysters	2,358			44,212		30
Poultry		9		4,500		23
Shells, oyster	68			136		10
Vegetable food products			6,379		407,029	
Cotton seed		1,982		59,460		21
Cottonseed hulls		62		744		23
Cottonseed meal		229		6,870		48
Grain		1,494		74,700		24
Groceries		497		149,100		38
Peanuts		63		4,410		25
Potatoes, Irish		987		69,090		20
Potatoes, sweet		413		14,455		36
Soft drinks		360		14,400		10
Vegetables		240		12,500		18
Watermelons		52		1,300		24
Other vegetable products: Tobacco		31	31	18,600	18,600	29
Textiles			597		191,450	
Cotton		584		175,200		22
Dry goods		13		16,250		38
Wood and paper			38,904		233,832	
Empty oil barrels		20		740		26
Furniture		2		400		30
Laths	400			4,000		25
Lumber	12,392			123,920		23
Timber, rafter	25,884			103,536		25
Wood	206			1,236		22
Nonmetallic minerals			24,634		244,854	
Asphalt		253		7,590		38
Brick, paving	9,628			101,094		38
Cement	2,555			45,990		38
Coal	1,000			10,000		38
Gasoline	480			30,000		10
Gravel	10,344			38,790		38
Kerosene	240			9,000		10
Lime, agricultural	20			110		38
Salt		114		2,280		38
Ores, metals and manufactures of:						
Hardware		458	458	137,400	137,400	38
Chemicals			19,164		551,414	
Fertilizer	1,163	5,411		236,664		23
Fertilizer material	12,590			314,750		38
Unclassified: Miscellaneous		20	20	1,000	1,000	
Total upstream	80,476	13,625	94,101		2,084,487	
DOWNSTREAM, INTERNAL.						
Vegetable food products			3,101		508,304	
Cotton seed		373		11,190		40
Cottonseed hulls		142		1,704		19
Cottonseed meal		210		6,300		16
Grain		169		8,450		30
Groceries		1,475		442,500		20
Hay		285		8,550		20
Potatoes, Irish		385		26,950		38
Soft drinks		44		1,760		26
Vegetables		18		900		15
Textiles			1,369		484,800	
Cotton		1,291		387,300		34
Dry goods		78		97,500		24

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PAMLICO AND TAR RIVERS, N. C.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
DOWNSTREAM, INTERNAL—contd.						
Wood and paper			35,487		$334,656	
Empty truck barrels		133		$7,980		20
Furniture		35		7,000		20
Laths	330			3,300		25
Lumber	28,824			288,240		38
Poles	140			2,100		38
Shingles		72		2,160		16
Timber, round	5,921			23,684		12
Wood	32			192		38
Nonmetallic minerals			8,074		55,457	
Brick		120		960		23
Coal		2,934		29,340		7
Cement		63		1,134		20
Gasoline		178		11,125		21
Kerosene		137		5,138		21
Lime		56		1,540		25
Salt		86		1,720		21
Sand	4,500			4,500		1
Ores, metals and manufactures of:						
Hardware		352	352	105,600	105,600	24
Machinery and vehicles			890		97,500	
Machinery	590			88,500		21
Railroad iron	300			9,000		10
Chemicals: Fertilizer		1,198	1,198	43,128	43,128	20
Unclassified: Ice		1,200	1,200	12,000	12,000	37
Total downstream	40,637	11,034	51,671		1,641,445	
Total upstream and downstream	121,113	24,659	145,772		3,725,932	

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Upstream.		Downstream.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animal and animal products	3,914	$298,908			3,914	$298,908
Vegetable food products	6,379	407,029	3,101	$508,304	9,480	915,333
Other vegetable products	31	18,600			31	18,600
Textiles	597	191,450	1,369	484,800	1,966	676,250
Wood and paper	38,904	233,832	35,487	334,656	74,391	568,488
Nonmetallic minerals	24,634	244,854	8,074	55,457	32,708	300,311
Ores and metals	458	137,400	352	105,600	810	243,000
Machinery and vehicles			890	97,500	890	97,500
Chemicals	19,164	551,414	1,198	43,128	20,362	594,542
Unclassified	20	1,000	1,200	12,000	1,220	13,000
Total	94,101	2,084,487	51,671	1,641,445	145,772	3,725,932

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PAMLICO AND TAR RIVERS, N. C.—continued.

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers	12	1,049
Gasoline	48	560
Sail	40	467
Barges	11	3,600
Total	111	5,676

During the year about 8 flats were employed on this waterway carrying lumber, logging supplies, and farm products.

Number of passengers transported during the year, about 8,000.

FISHING CREEK, N. C.

The paragraph "Commercial statistics," together with "Comparative statement," forwarded direct to Chief of Engineers, as there are no statistics for the calendar year 1921.

SOUTH RIVER, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1910	26,071	$167,230	1916	33,102	$298,286
1911	44,350	370,382	1917	31,141	452,907
1912	77,791	426,423	1918	21,485	582,722
1913	61,985	540,505	1919	20,825	716,289
1914	45,070	277,125	1920	13,084	473,667
1915	34,643	219,932	1921	15,832	469,385

Number of passengers in 1920, 1,500. No statistics for prior years.
Number of passengers in 1921, 1,000.

[Season of navigation: Navigable the entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
UPSTREAM, INTERNAL.						*Miles.*
Animals and animal products			123		$3,150	
Fish, salt		3		$900		8
Oysters	120			2,250		8
Vegetable food products			1,171		175,180	
Cottonseed hulls		65		780		8
Cottonseed meal		38		1,140		8
Grain		25		1,250		8
Groceries		446		133,800		4
Hay		42		1,260		8
Potatoes, Irish		497		34,790		6
Potatoes, sweet		38		1,330		8
Soft drinks		17		680		3
Vegetables		3		150		8

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SOUTH RIVER, N. C.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
UPSTREAM, INTERNAL—continued.						*Miles.*
Textiles: Dry goods		6	6	$7,500	$7,500	2
Wood and paper			4,570		19,900	
Furniture		4		800		8
Lumber		44		440		8
Shingles		2		60		8
Timber, round	4,500			18,000		2
Truck barrels	20			600		2
Nonmetallic minerals			328		8,196	
Brick		118		944		4
Cement		8		144		8
Coal		16		160		8
Gasoline		38		2,375		4
Kerosene		90		3,375		2
Lime		5		138		8
Salt		53		1,060		8
Ores, metals and manufactures of:						
Hardware		14	14	4,200	4,200	3
Chemicals: Fertilizer		680	680	24,480	24,480	4
Unclassified: Ice		73	73	730	730	
Total upstream	4,640	2,325	6,965		243,336	
DOWNSTREAM, INTERNAL.						
Animals and animal products			109		28,760	
Eggs		12		5,760		2
Hogs		85		17,000		4
Poultry		12		6,000		2
Vegetable food products			2,113		89,785	
Cotton seed		834		24,020		6
Grain		677		33,850		3
Potatoes, Irish		297		20,790		2
Potatoes, sweet		225		7,875		2
Vegetables		50		2,500		2
Watermelons	30			750		2
Textiles: Cotton		159	159	47,700	47,700	4
Wood and paper			6,486		59,804	
Empty oil barrels		7		259		8
Laths	700			7,000		2
Lumber	3,948			39,480		2
Poles	31			465		8
Timber	1,500			6,000		6
Truck barrels	200			6,000		6
Wood	100			600		2
Total downstream	6,509	2,358	8,867		226,049	
Total upstream and downstream	11,149	4,683	15,832		469,385	

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Upstream.		Downstream.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animal and animal products	123	$3,150	109	$28,760	232	$31,910
Vegetable food products	1,171	175,180	2,113	89,785	3,284	264,965
Textiles	6	7,500	159	47,700	165	55,200
Wood and paper	4,570	19,900	6,486	59,804	11,056	79,704
Nonmetallic minerals	328	8,196			328	8,196
Ores, and metals	14	4,200			14	4,200
Chemicals	680	24,480			680	24,480
Unclassified	73	730			73	730
Total	6,965	243,336	8,867	226,049	15,832	469,385

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SOUTH RIVER, N. C.—continued.

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers	4	740
Gasoline	12	105
Sail	7	288
Barges	2	600
Total	25	1,733

Number of passengers transported during the year, about 1,000.

BAY RIVER, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1910	25,764	$439,933	1916	19,896	$430,442
1911	18,747	430,105	1917	13,748	423,451
1912	17,733	406,106	1918	16,308	746,896
1913	16,047	376,983	1919	9,151	516,418
1914	8,089	139,122	1920	7,952	466,929
1915	18,746	399,143	1921	5,168	180,174

Number of passengers transported in 1920, 800. No statistics for prior years.
Number of passengers transported in 1921, 500.

[Season of navigation: Navigable the entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
UPSTREAM, INTERNAL.						*Miles.*
Animals and animal products			436		$24,200	
Fish, fresh	140			$21,000		10
Oysters	296			3,200		15
Vegetable food products			616		69,518	
Cottonseed hulls		69		828		14
Cottonseed meal		84		2,520		14
Grain		18		900		14
Groceries		182		54,600		13
Hay		65		1,950		15
Potatoes, irish		30		2,100		10
Potatoes, sweet		20		700		10
Soft drinks		148		5,920		17
Textiles: Dry goods		3	3	3,750	3,750	17
Wood and paper			1,622		7,840	
Lumber		60		600		17
Poles	62			1,240		7
Timber, round	1,500			6,000		8
Nonmetallic minerals: Brick		30	30	240	240	17
Chemicals: fertilizer		102	102	3,672	3,672	14
Total upstream	1,998	811	2,809		109,220	

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BAY RIVER, N. C.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
DOWNSTREAM, INTERNAL.						*Miles.*
Animals and animal products			8		$3,400	
Eggs		5		$2,400		17
Oysters, shucked		3		1,000		10
Vegetable food products			225		5,654	
Cotton seed		172		2,064		10
Grain		6		300		10
Potatoes, irish		47		3,290		10
Textiles: Cotton		163	163	48,900	48,900	13
Wood and paper			1,963		13,000	
Empty truck barrels		63		3,000		17
Lumber	400			4,000		17
Timber, round	1,500			6,000		5
Total downstream	1,900	459	2,359		70,954	
Total upstream and downstream	3,898	1,270	5,168		180,174	

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Upstream.		Downstream.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products	436	$24,200	8	$3,400	444	$27,600
Vegetable food products	616	69,518	225	5,654	841	75,172
Textiles	3	3,750	163	48,900	166	52,650
Wood and paper	1,622	7,840	1,963	13,000	3,585	20,840
Nonmetallic minerals	30	240			30	240
Chemicals	102	3,672			102	3,672
Total	2,809	109,220	2,359	70,954	5,168	180,174

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.
Registered:		
Gas	12	98
Sail	15	149
Total	27	247

Number of passengers transported during the year, about 500.

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NEUSE RIVER, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890	328,462	(1)	1906	501,315	$17,967,655
1891	267,650	(1)	1907	448,719	15,362,992
1892	253,704	(1)	1908	384,418	7,083,720
1893	50,573	(1)	1909	402,428	7,472,530
1894	45,258	(1)	1910	353,171	7,711,482
1895	278,025	(1)	1911	408,206	8,952,226
1896	297,092	(1)	1912	383,137	9,592,138
1897	380,749	(1)	1913	443,957	7,023,967
1898	342,815	(1)	1914	333,833	4,805,197
1899	334,141	(1)	1915	429,590	6,240,511
1900	234,112	(1)	1916	415,013	6,761,957
1901	320,950	(1)	1917	296,543	7,079,078
1902	456,994	(1)	1918	215,863	6,806,585
1903	486,561	(1)	1919	183,529	7,886,263
1904	501,751	$17,994,449	1920	202,219	8,023,222
1905	469,399	13,717,317	1921	125,479	4,761,122

[1] No statistics available.

Passengers transported in 1920, 8,000. No statistics for prior years.
Passengers transported in 1921, 8,000.

[Season of navigation: Navigable from its mouth, 30 miles below New Bern, to Maple Cypress Landing, 25 miles above New Bern, the entire year: from Maple Cypress Landing to Goldsboro, 98 miles above New Bern, during freshet stages which are generally available for 4 to 6 months during the year. There is practically no boating above Broadhursts Bridge, 83 miles above New Bern.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
UPSTREAM, INTERNAL.						*Miles.*
Animals and animal products			3,700		$406,967	
Cattle		96		$19,200		30
Clams		6		180		25
Eggs		18		8,640		25
Fish scrap		600		19,800		25
Fertilizer fish	131			590		10
Fish, fresh	671			100,650		10
Fish, salt		715		214,500		25
Fish oil		112		10,080		25
Hogs		40		8,000		22
Oysters	1,207			22,631		34
Oysters, shucked		3		1,000		10
Oyster shells	98			196		15
Poultry		3		1,500		25
Vegetable food products			7,566		638,132	
Cotton seed		1,719		51,570		23
Cottonseed hulls		291		3,492		27
Cottonseed meal		666		19,980		28
Grain	1,250	386		81,800		34
Groceries		1,323		396,900		21
Hay		129		3,870		24
Potatoes, Irish		557		38,990		31
Potatoes, sweet		948		33,180		17
Vegetables		37		1,850		25
Watermelons		260		6,500		21
Other vegetable products: Tobacco		46	46	27,600	27,600	25
Textiles			1,780		558,700	
Cotton		1,754		526,200		30
Dry goods		26		32,500		26
Wood and paper			25,241		142,241	
Empty oil barrels		9		333		22
Furniture		22		4,400		31
Lumber	6,066			60,660		25
Shingles		8		240		10
Timber (rafted)	19,104			76,416		20
Wood	32			192		15

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NEUSE RIVER, N. C.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
UPSTREAM, INTERNAL—continued.						*Miles.*
Nonmetallic minerals			6,863		$133,522	
Brick		12		$96		10
Cement	2,513			45,234		34
Coal	1,500	41		22,910		34
Gasoline	184			11,500		10
Kerosene		87		3,262		10
Salt	2,343	33		47,520		34
Tile		150		3,000		25
Ores, metals, and manufactures of:						
Hardware		108	108	32,400	32,400	34
Chemicals: Fertilizer	11,172	4,868	16,040	577,440	577,440	34
Unclassified: Miscellaneous		83	83	4,150	4,150	34
Total upstream	46,271	15,156	61,427		2,521,152	
DOWNSTREAM, INTERNAL.						
Animals and animal products			776		47,383	
Cattle		15		3,000		11
Fish oil		355		31,950		30
Fish scrap	350			11,550		10
Oysters		46		863		10
Oyster shells		10		20		10
Vegetable food products			5,344		725,817	
Cotton seed		175		5,250		48
Cottonseed hulls		231		2,772		24
Cottonseed meal		685		20,550		23
Grain		208		10,400		23
Groceries		1,994		598,200		25
Hay		325		9,750		22
Potatoes, Irish		389		27,230		8
Potatoes, sweet		336		11,760		10
Soft drinks		857		34,280		15
Vegetables		81		4,050		7
Watermelons		63		1,575		10
Other vegetable products: Tobacco		49	49	29,400	29,400	34
Textiles			2,690		855,450	
Cotton		2,639		791,700		34
Dry goods		51		63,750		23
Wood and paper			51,012		434,682	
Empty oil barrels		6		222		10
Furniture		25		5,000		23
Lumber	37,297			372,970		25
Shingles		29		870		21
Timber (rafted)	13,614			54,456		20
Truck barrels		17		1,020		20
Wood	24			144		10
Nonmetallic minerals			1,675		36,076	
Brick		203		1,624		24
Cement		90		1,620		25
Coal		196		1,960		26
Gasoline		286		17,875		25
Kerosene		236		8,850		25
Lime		49		1,347		18
Salt		115		2,300		24
Sand	500			500		5
Ores, metals, and manufactures of:						
Hardware		80	80	24,000	24,000	24
Machinery and vehicles: Machinery		20	20	3,000	3,000	17
Chemicals			2,299		78,952	
Fertilizer		2,174		78,264		23
Marl	125			688		34
Unclassified			107		5,210	
Ice		61		610		18
Miscellaneous		46		4,600		38
Total downstream	51,910	12,142	64,052		2,239,970	
Total upstream and downstream	98,181	27,298	125,479		4,761,122	

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NEUSE RIVER, N. C.—continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Upstream.		Downstream.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	3,700	$406,967	776	$47,383	4,476	$454,350
Vegetable food products	7,566	638,132	5,344	725,817	12,910	1,363,949
Other vegetable products	46	27,600	49	29,400	95	57,000
Textiles	1,780	558,700	2,690	855,450	4,470	1,414,150
Wood and paper	25,241	142,241	51,012	434,682	76,253	576,923
Nonmetallic minerals	6,863	133,522	1,675	36,076	8,538	169,598
Ores, metals and manufactures of	108	32,400	80	24,000	188	56,400
Machinery and vehicles			20	3,000	20	3,000
Chemicals	16,040	577,440	2,299	78,952	18,339	656,392
Unclassified	83	4,150	107	5,210	190	9,360
Total	61,427	2,521,152	64,052	2,239,970	125,479	4,761,122

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers	15	1,110
Gasoline	92	1,136
Sail	48	819
Barges	21	7,769
Total	176	10,834

During the year about 250 yachts passed over the lower 10 miles of the river. About 15 flats were used to carry lumber and fertilizer. Number of passengers transported during the year, about 8,000.

SMITHS CREEK, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1910	40,591	$381,050	(1)	1916	9,416	$153,678	1,200
1911	17,168	235,994	(1)	1917	11,904	322,943	1,800
1912	14,226	255,514	(1)	1918	11,396	420,696	1,600
1913	2,935	116,788	(1)	1919	45,202	1,067,551	(1)
1914	3,545	185,417	590	1920	7,247	544,162	1,500
1915	5,896	145,928	950	1921	4,848	219,907	1,000

[1] No statistics available.

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SMITHS CREEK, N. C.—continued.

[Season of navigation: Navigable the entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INBOUND, INTERNAL.					
Animals and animal products			569		$79,050
Fish, fresh	521			$78,150	
Oysters	48			900	
Vegetable food products			769		61,559
Cotton seed		125		3,750	
Cottonseed hulls		17		204	
Cottonseed meal		27		810	
Groceries		89		26,700	
Hay		12		360	
Potatoes, Irish		330		23,100	
Potatoes, sweet		109		3,815	
Soft drinks		18		720	
Vegetables		42		2,100	
Textiles: Cotton		56	56	16,800	16,800
Wood and paper			62		660
Lumber		60		600	
Shingles		2		60	
Nonmetallic minerals			944		21,515
Cement		40		720	
Gasoline		210		13,125	
Kerosene		188		7,050	
Sand	500			500	
Salt		6		120	
Ores, metals, and manufactures of: Hardware		2	2	600	600
Chemicals: Fertilizer		138	138	4,968	4,968
Total inbound	1,069	1,471	2,540		185,152
OUTBOUND, INTERNAL.					
Vegetable food products			63		7,555
Cotton seed		5		150	
Groceries		15		4,500	
Potatoes, Irish		40		2,800	
Potatoes, sweet		3		105	
Wood and paper: Lumber	1,970		1,970	19,700	19,700
Nonmetallic minerals: Tile		150	150	3,000	3,000
Chemicals: Fertilizer		125	125	4,500	4,500
Total outbound	1,970	338	2,308		34,755
Total inbound and outbound	3,039	1,809	4,848		219,907

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Inbound.		Downbound.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	569	$79,050			569	$79,050
Vegetable food products	769	61,559	63	$7,555	832	69,114
Textiles	56	16,800			56	16,800
Wood and paper	62	660	1,970	19,700	2,032	20,360
Nonmetallic minerals	944	21,515	150	3,000	1,094	24,515
Ores and metals	2	600			2	600
Chemicals	138	4,968	125	4,500	263	9,468
Total	2,540	185,152	2,308	34,755	4,848	219,907

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SMITHS CREEK, N. C.—continued.

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.
Registered:		
Steamer	1	31
Barges	2	650
Gas	26	238
Sail	4	35
Total	33	954

Number of passengers transported during the year, about 1,000.

SWIFT CREEK, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1910	22,802	$267,749	(1)	1916	21,781	$324,309	400
1911	22,458	320,635	(1)	1917	21,948	336,685	525
1912	26,939	303,269	(1)	1918	19,863	419,751	(1)
1913	27,781	197,030	(1)	1919	16,048	376,199	(1)
1914	15,652	153,585	350	1920	12,181	317,725	.....
1915	15,572	111,826	350	1921	13,417	117,355	.....

[1] No statistics available.

[Season of navigation: Navigable the entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
UPSTREAM, INTERNAL.						*Miles.*
Vegetable food products	.....	.....	174	.....	$24,394	.....
Cottonseed hulls	.....	22	.....	$264	.....	12
Cottonseed meal	.....	21	.....	630	.....	12
Grain	.....	7	.....	350	.....	12
Groceries	.....	70	.....	21,000	.....	12
Hay	.....	37	.....	1,110	.....	12
Potatoes, Irish	.....	12	.....	840	.....	12
Soft drinks	.....	5	.....	200	.....	12
Textiles: Dry goods	.....	5	5	5,250	6,250	12
Wood and paper	.....	.....	71	.....	1,440	.....
Furniture	.....	3	.....	600	.....	12
Lumber	.....	60	.....	600	.....	12
Shingles	.....	8	.....	240	.....	12
Nonmetallic minerals	.....	.....	135	.....	2,155	.....
Brick	.....	50	.....	400	.....	12
Cement	.....	5	.....	90	.....	12
Coal	.....	28	.....	280	.....	12
Kerosene	.....	18	.....	675	.....	12
Lime	.....	4	.....	110	.....	12
Salt	.....	30	.....	600	.....	12
Ores, metals, and manufactures of:						
Hardware	.....	10	10	3,000	3,000	12
Chemicals: Fertilizer	.....	314	314	11,304	11,304	12
Total upstream	.....	709	709	.....	48,543	.....

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SWIFT CREEK, N. C.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
DOWNSTREAM, INTERNAL.						*Miles.*
Animals and animal products			23		$6,840	
Cattle		15		$3,000		12
Eggs		8		3,840		12
Vegetable food products: Cotton seed		40	40	1,200	1,200	12
Textiles: Cotton		31	31	9,300	9,300	12
Wood and paper			12,614		51,472	
Lumber		166		1,660		12
Timber (rafted)	12,438			49,752		1
Wood		10		60		12
Total downstream	12,438	270	12,708		68,812	
Total upstream and downstream	12,438	979	13,417		117,355	

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Upstream.		Downstream.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			23	$6,840	23	$6,840
Vegetable food products	174	$24,394	40	1,200	214	25,594
Textiles	5	6,250	31	9,300	36	15,550
Wood and paper	71	1,440	12,614	51,472	12,685	52,912
Nonmetallic minerals	135	2,155			135	2,155
Ores, metals, etc.	10	3,000			10	3,000
Chemicals	314	11,304			314	11,304
Total	709	48,543	12,708	68,812	13,417	117,355

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers	2	23
Gasoline	4	56
Total	6	79

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CONTENTNEA CREEK, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890	125,225	(1)	1906	22,106	$565,052
1891	55,325	(1)	1907	23,870	444,390
1892	17,491	(1)	1908	18,800	516,712
1893	21,173	(1)	1909	24,679	486,980
1894	19,953	(1)	1910	23,969	504,395
1895	53,018	(1)	1911	16,135	191,150
1896	16,805	(1)	1912	17,914	201,430
1897	2,800	(1)	1913	8,684	196,320
1898	3,700	(1)	1914	7,669	108,523
1899	6,594	(1)	1915	9,607	146,975
1900	13,885	(1)	1916	7,447	148,150
1902	10,392	(1)	1917	6,072	119,796
1903	13,842	(1)	1918	5,285	214,377
1904	15,010	$832,150	1919	3,312	139,105
1905	21,830	600,470	1920	235	11,750
			1921	60	2,160

[1] No statistics available.

[Season of navigation: Navigable during freshet stages only, about three months during the year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities (bulk).	Amount in short tons, by classes.	Value.		Average haul.
			By commodities.	By classes.	
UPSTREAM, INTERNAL.					*Miles.*
Chemicals: Fertilizer	60	60	$2,160	$2,160	22

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.
Registered: Steamers	1	49

TRENT RIVER, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890	89,985	(1)	(1)	1906	343,507	$15,456,539.00	(1)
1891	45,080	(1)	(1)	1907	268,376	12,065,478.00	(1)
1892	59,576	(1)	(1)	1908	237,240	4,847,611.00	(1)
1893	34,649	(1)	(1)	1909	156,530	3,417,045.00	(1)
1894	28,055	(1)	(1)	1910	152,312	4,214,247.00	(1)
1895	142,442	(1)	(1)	1911	164,808	5,007,498.00	(1)
1896	142,100	(1)	(1)	1912	142,493	5,181,679.00	(1)
1897	142,789	(1)	(1)	1913	179,772	4,345,255.60	(1)
1898	161,687	(1)	(1)	1914	137,409	2,731,447.00	1,439
1899	137,017	(1)	(1)	1915	183,611	3,578,289.70	1,608
1900	130,162	(1)	(1)	1916	161,446	4,637,168.50	2,000
1901	166,987	(1)	(1)	1917	120,440	5,414,980.00	125
1902	201,704	(1)	(1)	1918	145,490	6,776,853.00	100
1903	251,055	(1)	(1)	1919	29,853	1,519,088.00	(1)
1904	284,935	$14,793,947.00	(1)	1920	48,396	1,544,614.00	300
1905	262,135	9,227,343.00	(1)	1921	67,878	840,810.00	300

[1] No statistics available.

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TRENT RIVER, N. C.—continued.

[Season of navigation: Navigable the entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
UPSTREAM, INTERNAL.						*Miles.*
Animals and animal products: Oysters		5	5	$125	$125	18
Vegetable food products			782		62,232	
Cottonseed hulls		86		1,032		30
Cottonseed meal		201		6,030		31
Grain		58		2,900		30
Groceries		135		40,500		25
Hay		181		5,430		30
Peanuts		4		280		28
Potatoes, Irish		46		3,220		33
Soft drinks		71		2,840		32
Textiles: Dry goods		101	101	126,250	126,250	36
Wood and paper			566		17,970	
Furniture		63		12,600		21
Lumber		486		4,860		28
Shingles		17		510		30
Nonmetalic minerals			661		8,088	
Brick		447		3,576		35
Cement		84		1,512		35
Coal		30		300		33
Gasoline		5		313		26
Kerosene		15		562		38
Lime		30		825		27
Salt		50		1,000		31
Ores metals and manufactures of:						
Hardware		58	58	17,400	17,400	36
Machinery and vehicles: Machinery		49	49	7,350	7,350	36
Chemicals: Fertilizer		2,690	2,690	96,840	96,840	34
Unclassified: Ice		62	62	620	620	38
Total upstream		4,974	4,974		336,875	
DOWNSTREAM INTERNAL.						
Animals and animal products			7		1,960	
Cattle		5		1,000		38
Eggs		2		960		30
Vegetable food products			697		26,570	
Cotton seed		542		16,260		32
Potatoes, Irish		143		10,010		28
Watermelons		12		300		38
Textiles: Cotton		725	725	217,500	217,500	30
Wood and paper			61,330		257,107	
Empty oil barrels		5		185		32
Lumber		1,904		19,040		36
Timber, round	59,322			237,288		5
Wood	99			594		33
Chemicals: Marl	145		145	798	798	12
Total downstream	59,566	3,338	62,904		503,935	
Total upstream and downstream	59,566	8,312	67,878		840,810	

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TRENT RIVER, N. C.—continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Upstream.		Downstream.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products	5	$125	7	$1,960	12	$2,085
Vegetable food products	782	62,232	697	26,570	1,479	88,802
Textiles	101	126,250	725	217,500	826	343,750
Wood and paper	566	17,970	61,330	257,107	61,896	275,077
Nonmetallic minerals	661	8,088	.....	.....	661	8,088
Ores and metals	58	17,400	.....	.....	58	17,400
Machinery and vehicles	49	7,350	.....	.....	49	7,350
Chemicals	2,690	96,840	145	798	2,835	97,638
Unclassified	62	620	.....	.....	62	620
Total	4,974	336,875	62,904	503,935	67,878	840,810

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers	4	133
Gasoline	9	81
Total	13	214

Number of passengers transported during the year, about 300.

CHANNEL CONNECTING THOROUGHFARE BAY AND CEDAR BAY, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.
1920	3,636	$94,707
1921	3,972	39,659

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CHANNEL CONNECTING THOROUGHFARE BAY AND CEDAR BAY, N. C.—continued.

[Season of navigation: Navigable the entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
EASTBOUND, INTERNAL.					
Animals and animal products: Oysters	1,779		1,779	$11,112	$11,112
Vegetable food products, oil seeds, expressed oils and beverages			72		3,420
Cottonseed meal		5		150	
Grain		63		3,150	
Hay		4		120	
Wood and paper			118		972
Lumber		66		660	
Wood	52			312	
Nonmetallic minerals: Salt		3	3	60	60
Chemicals: Fertilizer		23	23	828	828
Total eastbound	1,831	164	1,995		16,392
WESTBOUND, INTERNAL.					
Animals and animal products			1,715		14,097
Fish, fresh		3		450	
Fish, salt		8		2,400	
Oysters	468			8,775	
Oyster shells	1,236			2,472	
Vegetable food products, oil seeds: Potatoes, sweet		262	262	9,170	9,170
Total westbound	1,704	273	1,977		23,267
Total eastbound and westbound	3,535	437	3,972		39,659

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Eastbound.		Westbound.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	1,779	$11,112	1,715	$14,097	3,494	$25,209
Vegetable food products	72	3,420	262	9,170	334	12,590
Wood and paper	118	972			118	972
Nonmetallic minerals	3	60			3	60
Chemicals	23	828			23	828
Total	1,995	16,392	1,977	23,267	3,972	39,659

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.
Registered:		
Gasoline	18	159
Sail	27	231
Total	45	390

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HARBOR AT BEAUFORT, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890	46,675	(1)	(1)	1907	49,261	$2,421,556.50	(1)
1891	69,330	(1)	(1)	1908	46,178	2,137,369.00	(1)
1892	55,070	(1)	(1)	1909	52,396	1,423,470.00	(1)
1893	62,913	(1)	(1)	1910	54,200	1,768,600.00	(1)
1895	30,522	(1)	(1)	1911	74,085	2,429,229.00	(1)
1896	38,807	(1)	(1)	1912	90,314	2,890,506.00	(1)
1897	34,930	(1)	(1)	1913	85,423	2,400,015.00	(1)
1898	38,781	(1)	(1)	1914	68,241	1,921,877.56	8,500
1899	39,356	(1)	(1)	1915	169,712	2,948,604.90	9,000
1901	72,183	(1)	(1)	1916	193,871	3,501,353.80	1,200
1902	78,983	(1)	(1)	1917	147,771	3,878,258.00	10,000
1903	60,800	(1)	(1)	1918	147,240	5,274,000.00	10,000
1904	62,226	$9,902,960.50	(1)	1919	105,937	5,420,820.00	(1)
1905	66,656	3,891,299.00	(1)	1920 [3]	62,750	4,814,186.00	12,000
1906	58,889	3,970,885.00	(1)	1921 [3]	30,598	973,951.00	12,000

[1] No statistics available.
[2] Exclusive of 42,000 tons cargoes in transit, valued at $615,000, and 4,860 tons rafted timber, valued at $48,600.
[3] Exclusive of 45,246 tons cargoes in transit, valued at $1,398,546, and 6,768 tons rafted timber, valued at $27,072.

[Season of navigation: Navigable the entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INBOUND, INTERNAL.					
Animals and animal products			21,165		$384,765
Cattle		38		$7,600	
Clams	150			4,500	
Eggs		3		1,440	
Escallops	420			42,000	
Fertilizer fish	17,000			76,500	
Fish, fresh	824			123,000	
Fish, salt		60		18,000	
Fish scrap	700			23,100	
Fish oil		775		69,750	
Hogs		13		2,600	
Oysters in shell	1,164			7,275	
Poultry		3		1,500	
Soft crabs		15		7,500	
Vegetable food products			2,555		213,625
Cotton seed		29		870	
Grain		162		8,100	
Groceries		427		128,100	
Hay		5		150	
Potatoes, Irish		289		20,230	
Potatoes, sweet		1,306		45,710	
Soft drinks		136		5,440	
Watermelons	201			5,025	
Textiles: Cotton		11	11	3,300	3,300
Wood and paper			2,591		22,590
Empty oil barrels		28		1,036	
Lumber		1,526		15,260	
Piles		3		90	
Wood	1,034			6,204	
Nonmetallic minerals			290		12,628
Brick		63		504	
Cement		3		54	
Coal		23		230	
Gasoline	184			11,500	
Salt		17		340	
Ores, metals, and manufactures of: Hardware		6	6	1,800	1,800
Total inbound	21,677	4,941	26,618		638,708

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HARBOR AT BEAUFORT, N. C.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
OUTBOUND, INTERNAL.					
Animals and animal products			340		$9,980
Fish scrap	300			$9,900	
Shells, oyster	40			80	
Vegetable food products			836		206,783
Cotton seed		8		240	
Cottonseed hulls		4		48	
Cottonseed meal		5		150	
Groceries		671		201,300	
Hay		57		1,710	
Potatoes, Irish		12		840	
Potatoes, sweet		37		1,295	
Watermelons	32			800	
Soft drinks		10		400	
Textiles			75		62,400
Cotton		33		9,900	
Dry goods		42		52,500	
Wood and paper			207		9,920
Empty oil barrels		20		740	
Furniture		25		5,000	
Lumber		34		340	
Shingles		3		90	
Truck barrels		125		3,750	
Nonmetallic minerals			2,187		34,160
Brick		75		600	
Cement		28		504	
Coal	1,670			16,700	
Gasoline		106		6,625	
Kerosene		201		7,538	
Lime		7		193	
Salt		100		2,000	
Ores, metals, and manufactures: Hardware		30	30	9,000	9,000
Unclassified: Ice		300	300	3,000	3,000
Total outbound	2,042	1,933	3,975		335,243
Total inbound and outbound	23,719	6,874	30,593		973,951

CARGOES IN TRANSIT.

Classes and commodities.	Amount in short tons.	Value.	Classes and commodities.	Amount in short tons.	Value.
Animals and animal products:			Textiles:		
Cattle	13	$2,600	Cotton	388	$116,400
Clams	50	1,500	Dry goods	29	36,250
Eggs	1	480	Wood and paper:		
Escallops	480	48,000	Empty oil barrels	21	777
Fertilizer fish	19,125	86,063	Furniture	11	2,200
Fish, fresh	2,000	300,000	Lumber	15,292	152,920
Fish, salt	15	4,500	Piles	38	1,140
Fish scrap	275	9,075	Shingles	11	330
Hogs	3	600	Timber, rafted	6,768	27,072
Oysters in shell	295	5,531	Timber, on scows	498	1,992
Oysters, shucked	53	17,650	Truck barrels	13	390
Poultry	2	1,000	Wood	203	1,218
Soft crabs	30	15,000	Nonmetallic minerals:		
Shells, oyster	10	20	Brick	45	360
Vegetable food products:			Cement	26	468
Cotton seed	838	25,020	Coal	352	3,520
Cottonseed hulls	42	504	Gasoline	113	7,062
Cottonseed meal	199	5,970	Kerosene	13	488
Grain	74	3,700	Lime	8	220
Groceries	1,243	372,900	Salt	111	2,220
Hay	84	2,520	Ores, metals, and manufactures: Hardware	35	10,500
Potatoes, Irish	969	67,830	Chemicals: Fertilizer	858	30,888
Potatoes, sweet	428	14,980			
Soft drinks	794	31,760	Total	52,014	1,425,618
Watermelons	144	3,600			
Other vegetable products:					
Tobacco	14	8,400			

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HARBOR AT BEAUFORT, N. C.—continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Inbound.		Outbound.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	21,165	$384,765	340	39,980	21,505	$394,745
Vegetable food products	2,555	213,625	836	206,783	3,391	420,408
Textiles	11	3,300	75	62,400	86	65,700
Wood and paper	2,591	22,590	207	9,920	2,798	32,510
Nonmetallic minerals	290	12,628	2,187	34,160	2,477	46,788
Ores and metals	6	1,800	30	9,000	36	10,800
Unclassified	.....	.....	300	3,000	300	3,000
Total	26,618	638,708	3,975	335,243	30,593	973,951

	Short tons.	Value.
Cargoes in transit	52,014	$1,425,618

Vessel classification.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers	2	45
Gasoline	85	1,181
Sail	15	128
Barges	6	1,350
Total	108	2,694

Number of passengers transported during the year, about 12,000.

In addition to the above vessels, 250 to 300 yachts, steamers, and sail vessels came in for a harbor or supplies during the year. Ten to twelve flats were employed carrying lumber, coal, wood, and fish scrap.

WATERWAY CONNECTING CORE SOUND AND BEAUFORT HARBOR, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1915	13,452	$382,936	2,000	1919	34,032	$2,438,461	(1)
1916	18,401	683,052	4,000	1920	34,654	2,829,502	10,000
1917	26,463	1,364,808	6,000	1921	23,618	1,227,434	10,000
1918	36,846	2,052,318	4,500				

[1] No statistics available.

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WATERWAY CONNECTING CORE SOUND AND BEAUFORT HARBOR, N. C.—continued.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
EASTBOUND, INTERNAL.					
Animals and animal products: Fertilizer Fish	4,875		4,875	$21,938	$21,938
Vegetable food products			1,558		328,156
Cottonseed hulls		53		636	
Cottonseed meal		89		2,670	
Grain		39		1,950	
Groceries		1,036		310,800	
Hay		128		3,840	
Potatoes, Irish		23		1,610	
Soft drinks		190		6,650	
Textiles: Dry goods		25	25	31,250	31,250
Wood and paper			5,125		31,668
Furniture		9		1,800	
Lumber		798		7,980	
Piles	38			1,140	
Shingles		9		270	
Timber, on scows	498			1,992	
Timber (rafted)	3,456			13,824	
Truck barrels	115			3,450	
Wood	202			1,212	
Nonmetallic minerals			998		22,263
Brick		43		344	
Coal	450	32		4,820	
Cement		22		396	
Gasoline		124		7,750	
Kerosene		134		5,025	
Lime		9		248	
Salt		184		3,680	
Ores, metals, and manufactures of: Hardware		37	37	11,100	11,100
Chemicals: Fertilizer		610	610	21,960	21,960
Unclassified: Ice		900	900	9,000	9,000
Total eastbound	9,634	4,494	14,128		477,335
WESTBOUND, INTERNAL.					
Animals and animal products			5,857		545,890
Cattle		19		3,800	
Clams	80			2,400	
Escallops	900			90,000	
Eggs		2		960	
Fish scrap	430			14,190	
Fish, fresh	2,400			360,000	
Fish, salt		35		10,500	
Fish oil		196		17,640	
Fertilizer fish	300			1,350	
Hogs		2		400	
Oysters, shucked		50		16,650	
Oysters, in shell	800			5,000	
Poultry		3		1,500	
Shells, oyster	600			1,200	
Soft crabs		40		20,000	
Vegetable foo dproducts			3,000		120,625
Cotton seed		371		11,130	
Potatoes, Irish		506		35,420	
Potatoes, sweet		2,100		73,500	
Watermelons	23			575	
Textiles: Cotton		266	266	79,800	79,800
Wood and paper			367		4,084
Empty oil barrels		22		814	
Lumber	300			3,000	
Wood	45			270	
Total westbound	5,878	3,612	9,490		750,099
Total eastbound and westbound	15,512	8,106	23,618		1,227,434

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WATERWAY CONNECTING CORE SOUND AND BEAUFORT HARBOR, N. C.—continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Eastbound.		Westbound.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	4,875	$21,938	5,857	$545,590	10,732	$567,528
Vegetable food products	1,558	328,156	3,000	120,625	4,558	448,781
Textiles	25	31,250	266	79,800	291	111,050
Wood and paper	5,125	31,668	367	4,084	5,492	35,752
Nonmetallic minerals	998	22,263	.....	.....	998	22,263
Ores and metals	37	11,100	.....	.....	37	11,100
Chemicals	610	21,960	.....	.....	610	21,960
Unclassified	900	9,000	.....	.....	900	9,000
Total	14,128	477,335	9,490	$750,099	23,618	1,227,434

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.
Registered:		
Gasoline	67	687
Sail	18	144
Total	85	831

Number of passengers transported during the year, about 10,000.

About six flats were used on this waterway to carry fish scrap, etc.

INLAND WATERWAY, BEAUFORT TO JACKSONVILLE, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1914	72,064	$896,244	6,004	1918	84,446	$1,592,218	15,000
1915	71,733	781,276	7,550	1919	71,876	1,995,112	(1)
1916	90,751	1,113,263	16,550	1920	70,060	1,679,190	15,000
1917	90,271	1,226,748	16,000	1921	56,636	1,157,934	15,000

[1] No statistics available.

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INLAND WATERWAY, BEAUFORT TO JACKSONVILLE, N. C.—continued.

[Season of navigation: Navigable the entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
EASTBOUND, INTERNAL.						*Miles.*
Animals and animal products			2,595		$519,253	
Cattle		31		$6,200		20
Clams	102			3,060		15
Eggs		2		960		20
Escallops	1,227			122,700		5
Fish, fresh	812			121,800		20
Fish, salt		84		243,600		35
Fish scrap		250		8,250		12
Fish oil		63		5,670		12
Hogs		7		1,400		22
Oysters	6			113		25
Poultry		1		500		20
Soft crabs	10			5,000		5
Vegetable food products			816		40,900	
Cotton seed		491		14,730		25
Grain		30		1,500		10
Groceries		25		7,500		10
Hay		25		750		10
Potatoes, Irish		45		3,150		20
Potatoes, sweet		22		770		20
Tobacco		14		8,400		25
Watermelons	164			4,100		15
Textiles			155		47,450	
Cotton		154		46,200		20
Dry goods		1		1,250		20
Wood and paper			32,668		265,920	
Empty oil barrels		20		740		
Furniture		3		600		
Lumber	22,300			223,000		
Timber (rafted)	10,245			40,980		
Wood	100			600		
Nonmetallic minerals			27		805	
Brick		13		104		20
Cement		2		36		20
Gasoline		10		625		20
Salt		2		40		20
Ores, metals, and manufactures of			7		940	
Hardware		3		900		20
Scrap iron		4		40		60
Chemicals: Fertilizer		300	300	10,800	10,800	17
Total eastbound	34,966	1,602	36,568		886,068	
WESTBOUND, INTERNAL.						
Animals and animal products			14,442		98,460	
Clams	25			750		18
Eggs		2		960		18
Fertilizer, fish	14,250			64,125		5
Fish, fresh	75			11,250		12
Fish, salt		70		21,000		1
Oysters	20			375		20
Vegetable food products			601		78,652	
Cotton seed		40		1,200		20
Cottonseed hulls		36		432		25
Cottonseed meal		131		3,930		25
Grain		61		3,050		25
Groceries		221		66,300		25
Hay		80		2,400		25
Potatoes, Irish		2		140		25
Soft drinks		30		1,200		25
Textiles			31		28,300	
Cotton		11		3,300		20
Dry goods		20		25,000		25
Wood and paper			3,467		15,698	
Furniture		4		800		25
Lumber		144		1,440		20
Shingles		7		210		25
Timber (rafted)	3,312			13,248		3

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INLAND WATERWAY, BEAUFORT TO JACKSONVILLE, N. C.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
WESTBOUND, INTERNAL—continued.						*Miles.*
Nonmetallic minerals			424		$14,542	
Brick		40		$320		25
Cement		4		72		25
Coal		119		1,190		25
Gasoline		170		10,625		25
Kerosene		26		975		25
Lime		8		220		25
Salt		57		1,140		25
Ores, metals, and manufactures of:						
Hardware		17	17	5,100	5,100	25
Chemicals: Fertilizer		779	779	28,044	28,044	25
Unclassified: Ice		307	307	3,070	3,070	25
Total westbound	17,682	2,386	20,068		271,866	
Total eastbound and westbound	52,648	3,988	56,636		1,157,934	

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Eastbound.		Westbound.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	2,595	$519,253	14,442	$98,460	17,037	$617,713
Vegetable food products	816	40,900	601	78,652	1,417	119,552
Textiles	155	47,450	31	28,300	186	75,750
Wood and paper	32,668	265,920	3,467	15,698	36,135	281,618
Nonmetallic minerals	27	805	424	14,542	451	15,347
Ores and metals	7	940	17	5,100	24	6,040
Chemicals	300	10,800	779	28,044	1,079	38,844
Unclassified			307	3,070	307	3,070
Total	36,568	886,068	20,068	271,866	56,636	1,157,934

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers	1	18
Gasoline	53	844
Sail	5	40
Barges	5	1,000
Total	64	1,902

Number of passengers transported during the year, about 15,000.

During the year 40 to 50 yachts passed over this waterway. About 10 flats or lighters were used for carrying lumber.

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HARBOR AT MOREHEAD CITY, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1910	6,513	$419,600	(1)	1916	20,434	$933,688	12,000
1911	9,019	756,425	(1)	1917	27,680	1,110,237	10,000
1912	15,587	973,179	(1)	1918	20,124	1,623,237	10,000
1913	14,824	951,812	(1)	1919	12,073	1,267,360	(1)
1914	17,828	869,005	8,000	1920	13,521	1,353,294	12,000
1915	12,363	678,606	10,000	1921	14,367	1,192,934	12,000

[1] No statistics available.

[Season of navigation: Navigable the entire year.]

Freight traffic.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INBOUND, INTERNAL.					
Animals and animal products			7,222		$861,097
Clams	234			$7,020	
Eggs		3		1,440	
Escallops	1,827			182,700	
Fish, fresh	4,062			609,300	
Fish, salt		25		7,500	
Hogs		7		1,400	
Oysters in shell	967			12,087	
Oysters, shucked		53		17,650	
Poultry		1		500	
Soft crabs	43			21,500	
Vegetable food products			1,237		86,510
Groceries		50		15,000	
Potatoes, Irish		909		63,630	
Potatoes, sweet		93		3,255	
Watermelons	185			4,625	
Textiles: Cotton		6	6	1,800	1,800
Wood and paper			3,103		13,456
Empty oil barrels		18		666	
Lumber		70		700	
Timber, round	3,000			12,000	
Wood		15		90	
Nonmetallic minerals			315		3,300
Coal		300		3,000	
Salt		15		300	
Total inbound	10,318	1,565	11,883		$966,163
OUTBOUND, INTERNAL.					
Vegetable food products			1,555		197,830
Cottonseed meal		5		150	
Grain		11		550	
Groceries		527		158,100	
Hay		145		4,350	
Soft drinks		867		34,680	
Textiles: Dry goods		6	6	7,500	7,500
Wood and paper			90		2,100
Empty barrels and boxes		40		800	
Furniture		4		800	
Lumber		44		440	
Shingles		2		60	
Nonmetallic minerals			410		10,907
Brick		30		240	
Cement		18		324	
Coal	200			2,000	
Gasoline		93		5,813	
Kerosene		60		2,250	
Salt		9		180	

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HARBOR AT MOREHEAD CITY, N. C.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
OUTBOUND, INTERNAL—continued.					
Ores, metals, and manufactures of: Hardware	.....	10	10	$3,000	$3,000
Chemicals: Fertilizer	.....	54	54	1,944	1,944
Unclassified: Ice	.....	359	359	3,590	3,590
Total outbound	200	2,284	2,484	.....	226,771
Total inbound and outbound	10,518	3,849	14,367	.....	1,192,934

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Inbound.		Outbound.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	7,222	$861,097	.....	.....	7,222	$861,097
Vegetable food products	1,237	86,510	1,555	$197,830	2,792	284,340
Textiles	6	1,800	6	7,500	12	9,300
Wood and paper	3,103	13,456	90	2,100	3,193	15,556
Nonmetallic minerals	315	3,300	410	10,807	725	14,107
Ores and metals	.....	.....	10	3,000	10	3,000
Chemicals	.....	.....	54	1,944	54	1,944
Unclassified	.....	.....	359	3,590	359	3,590
Total	11,883	966,163	2,484	226,771	14,367	1,192,934

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.
Registered:		
Steamers	1	18
Gas	59	869
Sail	6	65
Total	66	952

Number of passengers transported, about 12,000.

In addition to the above vessels 100 to 125 yachts and steamers came in for supplies during the year.

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BEAUFORT INLET, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1904	4,000	$502,000.00	1913	27,275	$466,716.00
1905	15,654	580,244.00	1914	23,754	292,074.00
1906	10,465	457,900.00	1915	119,585	1,112,937.60
1907	15,869	427,540.00	1916	173,117	1,274,231.50
1908	20,575	700,625.00	1917	86,516	845,651.00
1909	20,805	384,400.00	1918	78,650	404,028.00
1910	27,100	294,700.00	1919	51,179	619,625.00
1911	32,263	283,640.00	1920	37,436	772,060.00
1912	38,086	635,033.00	1921	37,545	392,378.00

[Season of navigation: Navigable the entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INBOUND, INTERNAL.					
Animals and animal products			36,363		$380,138
Fertilizer fish	34,875			$156,938	
Fish, fresh	1,488			223,200	
Wood and paper: Lumber	574		574	5,740	5,740
Total inbound	36,937		36,937		385,878
OUTBOUND, INTERNAL.					
Nonmetallic minerals: Gasoline		8	8	500	500
Unclassified: Ice		600	600	6,000	6,000
Total outbound		608	608		6,500
Total inbound and outbound	36,937	608	37,545		392,378

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Inbound.		Outbound.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	36,363	$380,138			36,363	$380,138
Wood and paper	574	5,740			574	5,740
Nonmetallic minerals			8	$500	8	500
Unclassified			600	6,000	600	6,000
Total	36,937	385,878	608	6,500	37,545	392,378

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BEAUFORT INLET, N. C.—continued.

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.
Registered:		
Gas	59	921
Steamers	1	87
Barges	1	282
Total	61	1,290

From 250 to 300 yachts and steamers came in for harbor, or bound to and from southern points, and passed over this inlet during the year.

HARBOR OF REFUGE, CAPE LOOKOUT, N. C.

The paragraph "Commercial statistics" has been forwarded direct to the Chief of Engineers as no statistics are given for Harbor of Refuge at Cape Lookout. See "Effect of improvement" for number of vessels using the harbor as a refuge.

CAPE FEAR RIVER, N. C., AT AND BELOW WILMINGTON.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890	346,557	(1)	(1)	1906	814,291	$42,684,315.75	(1)
1891	344,743	(1)	(1)	1907	870,556	50,890,793.00	(1)
1892	341,468	(1)	(1)	1908	864,071	49,753,175.00	(1)
1893	392,965	(1)	(1)	1909	872,426	52,214,254.00	(1)
1894	437,623	(1)	(1)	1910	944,657	55,228,647.00	(1)
1895	618,054	(1)	(1)	1911	1,063,908	58,933,962.00	(1)
1896	673,208	(1)	(1)	1912	1,072,205	60,863,344.00	(1)
1897	595,426	(1)	(1)	1913	773,610	46,736,713.06	(1)
1898	627,899	(1)	(1)	1914	792,304	28,682,163.25	32,728
1899	621,852	(1)	(1)	1915	709,570	46,635,404.54	30,000
1900	699,356	(1)	(1)	1916	521,530	34,310,564.90	37,000
1901	727,359	(1)	(1)	1917	477,863	33,147,578.00	48,420
1902	841,631	(1)	(1)	1918	459,223	43,907,870.00	44,435
1903	843,337	(1)	(1)	1919	[2] 495,074	62,026,271.00	(1)
1904	856,011	$44,724,500.00	(1)	1920	[3] 582,681	50,611,508.70	15,246
1905	871,106	49,223,307.00	(1)	1921	[4] 441,471	37,951,252.00	20,189

[1] No statistics available.
[2] Exclusive of 64,486 tons, valued at $17,496,656, cargoes in transit.
[3] Exclusive of 22,498 tons, valued at $5,649,640, cargoes in transit. Includes 17,700 tons floated logs, value $141,600.
[4] Exclusive of 63,812 tons, valued at $6,770,520, cargoes in transit, and 22,970 tons, valued at $160,790, floated logs.

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CAPE FEAR RIVER, N. C., AT AND BELOW WILMINGTON—continued.

[Navigation season: Navigable the entire year.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products: Molasses	2,200	2,200	$330,000	$330,000
Chemicals: Fertilizer material	77,747	77,747	3,109,880	3,109,880
Total imports		79,947		3,439,880
EXPORTS.				
Textile: Cotton	26,675	26,675	9,603,090	9,603,090
Total imports and exports		106,622		13,042,970

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INTERNAL DOWNBOUND.						Miles.	
Animals and animal products			943		$145,600		
Cattle		36		$9,000		12	$0.166
Eggs		10		5,000		12	.166
Hogs		22		6,600		12	.166
Fish oil		875		125,000		12	(1)
Vegetable food products			1,891		252,465		
Cottonseed hulls		160		3,200		12	.166
Cottonseed meal		95		4,275		12	.166
Grain		575		28,750		12	.166
Groceries		425		191,250		20	.150
Hay		337		10,110		12	.166
Potatoes, Irish		8		640		25	.154
Potatoes, sweet		38		1,900		12	.166
Soft drinks		31		1,240		20	.160
Vegetables		222		11,100		25	.154
Textile: Dry goods		139	139	208,500	208,500	25	.150
Wood and paper			1,110		48,820		
Empty oil barrels		750		37,000		12	(1)
Furniture		27		6,750		25	.154
Lumber	328			4,920		20	.160
Shingles		5		150		20	.160
Nonmetallic minerals			5,828		104,937		
Brick		545		4,905		25	.153
Coal	4,506			36,048		25	.153
Cement		249		3,984		25	.153
Gasoline		358		53,700		25	.155
Kerosene		116		5,220		25	.155
Lime		54		1,080		20	.160
Ores, metals, and manufactures of: Hardware		143	143	50,050	50,050	25	.154
Machinery and vehicles: Machinery		795	795	159,000	159,000	25	.154
Chemicals			2,146		104,780		
Fertilizer		2,062		103,100		12	.166
Salt		84		1,680		25	.154
Unclassified			1,759		85,372		
General merchandise		500		75,000		25	.154
Ice		1,259		10,372		25	.154
Total internal downbound	4,834	9,920	14,754		1,159,524		

[1] No statistics available.

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CAPE FEAR RIVER, N. C., AT AND BELOW WILMINGTON—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INTERNAL UPBOUND.						Miles.	
Animals and animal products			1,115		$223,800		
Clams		60		$2,400		25	$0.154
Cattle		42		10,500		12	.166
Eggs		8		4,000		12	.166
Fish, fresh		239		47,800		25	.154
Fish, salt		82		16,400		25	.154
Fish oil		489		97,800		12	(1)
Hogs		38		11,400		12	.166
Poultry		7		3,500		12	.166
Shrimp, canned		150		30,000		25	.154
Vegetable food products			790		49,460		
Cottonseed meal		110		4,950		20	.160
Peanuts		81		12,150		12	.166
Potatoes, Irish		24		1,920		12	.166
Potatoes, sweet		160		8,000		20	.150
Rice, rough		57		5,700		12	.166
Vegetables		300		15,000		12	.160
Watermelons		58		1,740		20	.150
Other vegetable products			473		34,070		
Rosin		89		3,560		12	.166
Tar		117		3,510		12	.166
Turpentine, crude		145		8,700		12	.166
Turpentine, spirits		122		18,300		12	.166
Textile: Cotton		94	94	41,360	41,360	12	.166
Wood and paper			10,296		109,886		
Empty oil barrels		48		2,400		20	.160
Lumber	4,640			69,600		12	.166
Shingles		10		300		12	.166
Timber	4,018			28,126		12	(1)
Wood, fuel	1,580			9,460		12	(1)
Chemicals: Fertilizer material	4,860		4,860	194,400	194,400	12	.160
Unclassified			1,526		246,300		
Empty gas drums		116		34,800		25	.154
General merchandise		1,410		211,500		25	.154
Total internal upbound	15,098	4,056	19,154		899,276		
Total internal upbound and downbound	19,932	13,976	33,908		2,058,800		
RECEIPTS, COASTWISE.							
Animals and animal products			48,225		568,680		
Clams		83		3,320		30	(1)
Eggs		13		6,500		30	(1)
Fish, salt		249		49,800		30	(1)
Fish, fertilizer	46,948			469,480		20	(1)
Poultry		5		2,500		30	(1)
Shrimp	927			37,080		10	(1)
Vegetable food products			11,816		4,940,470		
Cotton seed		67		3,685		30	(1)
Cottonseed meal		21		945		30	(1)
Groceries		10,631		4,783,950		30	(1)
Molasses		958		143,700		30	(1)
Peanuts		10		1,500		30	(1)
Potatoes, sweet		121		6,050		30	(1)
Potatoes, Irish		8		640		30	(1)
Other vegetable products			512		29,460		
Rosin		96		3,840		30	(1)
Tar		233		6,990		30	(1)
Turpentine, crude		98		5,880		30	(1)
Turpentine, spirits		85		12,750		30	(1)
Textiles			1,022		1,513,220		
Cotton		113		49,720		30	(1)
Dry goods		909		1,463,500		30	(1)
Wood and paper			3,453		132,940		
Empty oil barrels		41		2,050		30	(1)
Furniture		339		84,750		30	(1)
Lumber	3,070			46,050		30	(1)
Shingles		3		90		30	(1)

[1] No statistics available.

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CAPE FEAR RIVER, N. C., AT AND BELOW WILMINGTON—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE—contd.						*Miles.*	*Cents.*
Nonmetallic minerals			117,195		$7,977,525		
Gasoline	90,125			$6,759,375		30	(1)
Kerosene	27,070			1,218,150		30	(1)
Ores, metals, and manufactures of: Hardware		1,277	1,277	446,950	446,950	30	(1)
Chemicals: Fertilizer material	10,337		10,337	516,850	516,850	30	(1)
Unclassified			7,991		1,203,450		
Empty gasoline drums		32		9,600		30	(1)
General merchandise		7,959		1,193,850		30	(1)
Total receipts, coastwise	178,477	23,351	201,828		17,329,545		
SHIPMENTS, COASTWISE.							
Vegetable food products			1,149		285,595		
Cottonseed meal		75		3,375		30	(1)
Grain		397		19,850		30	(1)
Groceries		576		259,300		30	(1)
Hay		97		2,910		30	(1)
Soft drinks		4		160		30	(1)
Other vegetable food products: Rosin		572	572	22,880	22,880	30	(1)
Textile: Dry goods		12	12	18,000	18,000	30	(1)
Wood and paper			5,414		83,960		
Empty oil barrels		45		2,250		30	(1)
Furniture		5		1,250		30	(1)
Lumber	5,364			80,460		30	(1)
Nonmetallic minerals			809		30,465		
Brick		104		936		30	(1)
Cement		34		544		30	(1)
Gasoline		104		16,095		30	(1)
Kerosene		62		2,790		30	(1)
Lime		505		10,100		30	(1)
Ores, metals, and manufactures of: Hardware		12	12	4,200	4,200	30	(1)
Machinery and vehicles: Machinery		21	21	2,200	2,200	30	(1)
Chemicals			1,497		63,590		
Fertilizer		1,065		53,250		30	(1)
Fertilizer material		85		3,400		30	(1)
Salt		347		6,940		30	(1)
Unclassified: General merchandise		565	565	84,750	84,750	30	(1)
Total shipments, coastwise	5,364	4,687	10,051		595,640		
Total receipts and shipments, coastwise	183,841	28,038	211,879		17,925,185		

[1] No statistics available.

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WILMINGTON HARBOR TO AND FROM RIVERS ABOVE.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS.					
Animals and animal products			335		$110,850
Cattle		108		$26,950	
Eggs		48		24,000	
Hogs		148		44,400	
Horses		7		3,500	
Poultry		24		12,000	
Vegetable food products			1,387		70,220
Cotton seed		234		12,870	
Cottonseed hulls		15		300	
Cottonseed meal		50		2,250	
Grain		288		14,400	
Peanuts		84		12,600	
Potatoes, Irish		60		4,800	
Potatoes, sweet		125		6,250	
Vegetables		41		2,050	
Watermelons		490		14,700	
Other vegetable products			805		43,820
Rosin		56		2,240	
Tar		505		15,150	
Turpentine, crude		113		6,780	
Turpentine, spirits		131		19,650	
Textile: Cotton		511	511	224,840	224,840
Wood and paper			22,641		165,430
Crossties	163			2,455	
Empty oil barrels		25		1,250	
Lumber	880			13,200	
Shingles		6		180	
Timber, round	18,962			132,664	
Wood, fuel	2,615			15,690	
Nonmetallic minerals: Brick		15	15	135	135
Unclassified			112		18,165
Empty gas drums		10		2,865	
General merchandise		102		15,300	
Total receipts	22,610	3,196	25,806		633,469
SHIPMENTS.					
Animals and animal products			80		16,600
Cattle		12		3,000	
Fish, fresh		18		3,600	
Fish, salt		50		10,000	
Vegetable food products			2,324		584,875
Cottonseed meal		57		2,565	
Cottonseed hulls		3		60	
Grain		385		19,250	
Groceries		1,204		541,800	
Hay		607		18,210	
Peanuts		1		150	
Potatoes, Irish		4		320	
Soft drinks		63		2,520	
Other vegetable products: Tar		4	4	120	120
Textile: Dry goods		156	156	234,000	234,000
Wood and paper			7,077		62,790
Empty oil barrels		20		1,000	
Furniture		40		10,000	
Lumber	308			4,620	
Shingles		9		270	
Timber, round	6,700			46,900	
Nonmetallic minerals			721		20,954
Brick		89		783	
Cement		135		2,160	
Coal	222			1,776	
Gasoline		58		8,625	
Kerosene		127		5,810	
Lime		90		1,800	
Ores, metals, and manufactures of: Hardware		174	174	59,855	59,855
Machinery and vehicles: Machinery		67	67	13,400	13,400

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WILMINGTON HARBOR TO AND FROM RIVERS ABOVE—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS—continued					
Chemicals			75,462		$3,445,240
Fertilizer		3,057		$152,850	
Fertilizer material	72,276			3,289,810	
Salt		129		2,580	
Unclassified			161		13,784
General merchandise		88		13,200	
Ice		73		584	
Total shipments	79,506	6,720	86,226		4,451,618
Total receipts and shipments	102,116	9,916	112,032		5,085,087

CARGOES IN TRANSIT.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Cotton	2,750	$1,210,000	Hardware	226	$79,100
Dry goods	113	169,500	Merchandise, general	1,314	197,100
Fertilizer material	19,303	772,120	Oil, refined	1,750	87,500
Gasoline	4,900	367,500	Unclassified	28,650	2,865,000
Grain (wheat)	2,850	142,500			
Groceries	1,956	880,200	Total	63,812	6,770,520

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WILMINGTON HARBOR TO AND FROM RIVERS ABOVE—continued.

SUMMARY.

Classes of commodities.	Foreign.				Coastwise.				Total.	
	Imports.		Exports.		Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products					48,225	$568,680			48,225	$568,680
Vegetable food products	2,200	$330,000			11,816	4,940,470	1,149	$285,595	15,165	5,556,065
Other vegetable products					512	29,460	572	22,880	1,084	52,340
Textile			26,675	$9,603,090	1,022	1,513,220	12	18,000	27,709	11,134,310
Wood and paper					3,453	132,940	5,414	83,960	8,867	216,900
Nonmetallic minerals					117,195	7,977,525	809	30,465	118,004	8,007,990
Ores and metals					1,277	446,950	12	4,200	1,289	451,150
Machinery and vehicles							21	2,200	21	2,200
Chemicals	77,747	3,109,880			10,337	516,850	1,497	63,590	89,581	3,690,320
Unclassified					7,991	1,203,450	565	84,750	8,556	1,288,200
Total	79,947	3,439,880	26,675	9,603,090	201,828	17,329,545	10,051	595,640	318,501	30,968,155

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WILMINGTON HARBOR TO AND FROM RIVERS ABOVE—continued.

SUMMARY.

Classes of commodities.	Wilmington Harbor.				Domestic.				Total.	
	Receipts.		Shipments.		Internal upbound.		Internal downbound.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	335	$110,850	80	$16,600	1,115	$223,800	943	$145,600	2,473	$496,850
Vegetable food products	1,387	70,220	2,324	584,875	790	49,460	1,891	252,465	6,392	957,020
Other vegetable products	805	43,820	4	120	473	34,070			1,282	78,010
Textile	511	224,840	156	234,000	94	41,360	139	208,500	900	708,700
Wood and paper	22,641	165,439	7,077	62,790	10,296	109,886	1,110	48,820	41,124	386,935
Nonmetallic minerals	15	135	721	20,954			5,828	104,937	6,564	126,026
Ores and metals			174	59,855			143	50,050	317	109,905
Machinery and vehicles			67	13,400			795	159,000	862	172,400
Chemicals			75,462	3,445,240	4,860	194,400	2,146	104,780	82,468	3,744,420
Unclassified	112	18,165	161	13,784	1,526	246,300	1,759	85,372	3,558	363,621
Total	25,806	633,469	86,226	4,451,618	19,154	899,276	14,754	1,159,524	145,940	7,143,887

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WILMINGTON HARBOR TO AND FROM RIVERS ABOVE—continued.

SUMMARY.

Classes of commodities.	Tons.	Value.	Classes of commodities.	Tons.	Value.
Animals and animal products	50,698	$1,065,530	Chemicals	172,049	$7,434,740
Vegetable food products	21,557	6,513,085	Unclassified	12,114	1,651,821
Other vegetable products	2,366	130,350	Total	464,441	38,112,042
Textile	28,609	11,843,010	General ferry	(3)	.....
Wood and paper [1]	49,991	603,835	Car ferry	(3)	.....
Nonmetallic minerals	124,568	8,134,016	Cargoes in transit	63,812	6,770,520
Ores and metals	1,606	561,055			
Machinery and vehicles	883	174,600	Grand total	528,253	44,882,562

[1] Includes 22,970 tons floated logs valued at $160,790.
[2] No statistics available.
[3] None.

SHIPS ENTERED AND CLEARED THE PORT OF WILMINGTON IN 1921.

Nationality.	Number of vessels.	Nationality.	Number of vessels.
ENTERED, FOREIGN.		ENTERED, COASTWISE.	
American	8	American	70
British	1	British	2
French	2	Danish	1
Japanese	3	French	2
		Italian	6
Total	14	Norwegian	1
		Japanese	2
CLEARED, FOREIGN.		Total	84
American	5		
British	4	CLEARED, COASTWISE.	
Danish	1	American	72
French	1	British	1
Italian	6	French	2
Japanese	1	Norwegian	1
		Japanese	4
Total	18	Total	80

CAPE FEAR RIVER, N. C., ABOVE WILMINGTON.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1891	88,638	(1)	(1)	1907	139,059	$4,040,217.00	(1)
1892	72,810	(1)	(1)	1908	137,620	3,960,235.00	(1)
1893	92,757	(1)	(1)	1909	168,535	4,460,376.00	(1)
1894	85,497	(1)	(1)	1910	162,238	4,824,392.00	(1)
1895	103,727	(1)	(1)	1911	197,922	4,845,390.00	(1)
1896	99,357	(1)	(1)	1912	213,181	5,020,435.00	(1)
1897	91,841	(1)	(1)	1913	154,797	3,485,393.99	(1)
1898	99,943	(1)	(1)	1914	167,720	2,824,254.10	1,317
1899	114,877	(1)	(1)	1915	100,130	1,675,002.80	2,500
1900	129,622	(1)	(1)	1916	100,846	1,661,425.88	4,500
1901	124,112	(1)	(1)	1917	77,151	1,889,526.00	3,906
1902	167,534	(1)	(1)	1918	73,186	2,119,403.00	3,000
1903	156,692	(1)	(1)	1919	67,295	2,420,975.00	(1)
1904	150,016	$2,411,190.00	(1)	1920	39,961	2,653,002.00	3,000
1905	139,791	4,537,612.00	(1)	1921	61,615	3,111,537.00	[2] 1,600
1906	135,991	3,630,078.00	(1)				

[1] No statistics available.
[2] About 35,000 employees transported to and from plants.

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CAPE FEAR RIVER, N. C., ABOVE WILMINGTON—continued.

[Navigation season, navigable the entire year, with 3½ feet to Fayetteville, N. C.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.						*Miles.*	
Animals and animal products			44		$9,150		
Cattle		7		$1,750		50	$0.080
Fish, fresh		2		400		50	.080
Fish, salt		35		7,000		72	.056
Vegetable food products			1,517		470,510		
Grain		50		2,500		60	.066
Groceries		1,008		453,600		70	.056
Hay		422		12,660		60	.066
Peanuts		1		150		4	(1)
Potatoes, Irish		4		320		4	(1)
Soft drinks		32		1,280		15	.133
Other vegetable products: Tar		4	4	120	120	4	(1)
Textile: Dry goods		67	67	100,500	100,500	54	.074
Wood and paper			173		8,970		
Furniture		27		6,750		40	.100
Lumber	144			2,160		60	.066
Shingles		2		60		40	.100
Nonmetallic minerals			445		9,514		
Brick		26		234		70	.056
Cement		84		1,344		75	.053
Coal	222			1,776		40	.100
Gasoline		15		2,250		40	.100
Kerosene		78		3,510		60	.066
Lime		20		400		70	.056
Ores, metals and manufactures of: Hardware		142	142	49,700	49,700	70	.056
Machinery and vehicles: Machinery		51	51	10,200	10,200	22	.120
Chemicals			42,317		2,114,860		
Fertilizer		2,407		120,350		52	.075
Fertilizer material	39,877			1,993,850		4	(2)
Salt		33		660		80	.050
Unclassified			111		13,384		
General merchandise		88		13,200		60	.066
Ice		23		184		60	.066
Total upbound	40,243	4,628	44,871		2,786,908		
DOWNBOUND.							
Animals and animal products			134		46,500		
Cattle		50		12,500		50	.080
Eggs		29		14,500		70	.057
Hogs		40		12,000		40	.100
Horses		7		3,500		40	.100
Poultry		8		4,000		84	.046
Vegetable food products			727		30,745		
Cotton seed		219		12,045		56	.070
Cottonseed hulls		15		300		56	.070
Cottonseed meal		50		2,250		56	.070
Grain		78		3,900		50	.080
Potatoes, Irish		10		800		15	.180
Potatoes, sweet		25		1,250		15	.180
Vegetables		15		750		15	.180
Watermelons		315		9,450		60	(1)
Other vegetable products			406		27,810		
Tar		257		7,710		80	.050
Turpentine, spirits		124		18,600		60	.065
Turpentine, crude		25		1,500		60	.065
Textile			218		95,920		
Cotton		218		95,920		55	.073
Wood and paper			15,139		107,454		
Crossties	80			1,200		40	(1)
Empty oil barrels		7		350		63	.065
Lumber	222			3,330		40	(1)
Timber, round, floated	13,594			95,158		60	(1)
Wood, fuel	1,236			7,416		60	(1)
Nonmetallic minerals: Brick		15	15	135	135	40	.100
Unclassified			105		16,065		
Empty gasoline drums		3		765		63	.065
General merchandise		102		15,300		60	.65
Total downbound	15,132	1,612	16,744		324,629		
Total up and down bound	55,375	6,240	61,615		3,111,537		

[1] Carried by owners. [2] Cargo.

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CAPE FEAR RIVER, N. C., ABOVE WILMINGTON—continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Upbound.		Down bound.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products	44	$9,150	134	$46,500	178	$55,650
Vegetable food products	1,517	470,510	727	30,745	2,244	501,255
Other vegetable products	4	120	406	27,810	410	27,930
Textiles	67	100,500	218	95,920	285	196,420
Wood and paper	173	8,970	15,139	107,454	15,312	116,424
Nonmetallic minerals	445	9,514	15	135	460	9,649
Machinery and vehicles	193	59,900	.....	.....	193	59,900
Chemicals	42,317	2,114,860	.....	.....	42,317	2,114,860
Unclassified	111	13,384	105	16,065	216	29,449
Total	44,871	2,786,908	16,744	324,629	61,615	3,111,537

Vessel classification.

Classes.	American.	Foreign.	Total.	Net registered tonnage.
Registered:				
Steamships	10	3	13	23,100
Steamers	8	.....	8	280
Gasoline	11	.....	11	90
Total	29	3	32	23,470

Number of passengers carried during the year, about 1,600. About 35,000 employees transported to and from plants.

NORTHEAST RIVER, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890	40,596	(1)	(1)	1906	106,151	$1,314,946	(1)
1891	30,295	(1)	(1)	1907	106,604	1,605,565	(1)
1892	37,429	(1)	(1)	1908	101,861	1,618,730	(1)
1893	40,388	(1)	(1)	1909	126,986	1,744,055	(1)
1894	41,096	(1)	(1)	1910	120,045	1,592,089	(1)
1895	39,721	(1)	(1)	1911	150,019	1,887,574	(1)
1896	85,163	(1)	(1)	1912	165,323	2,271,849	(1)
1897	63,398	(1)	(1)	1913	123,170	1,848,558	(1)
1898	59,422	(1)	(1)	1914	128,518	2,116,210	824
1899	48,269	(1)	(1)	1915	68,116	1,263,062	871
1900	56,748	(1)	(1)	1916	81,247	1,064,329	1,379
1901	66,873	(1)	(1)	1917	67,756	1,253,369	2,000
1902	100,186	(1)	(1)	1918	61,110	1,761,698	2,000
1903	102,183	(1)	(1)	1919	67,629	2,271,229	(1)
1904	105,800	$1,077,633	(1)	1920	48,097	1,904,937	[2] 1,000
1905	111,979	1,337,528	(1)	1921	45,462	1,677,406	[3] 750

[1] No statistics available.
[2] About 20,000 employees transported by companies' boats.
[3] About 18,000 employees transported by companies' boats.

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NORTHEAST RIVER, N. C.—continued.

[Navigation season, navigable the entire year over lower 52 miles.]

Freight traffic 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.						*Miles.*	*Cents.*
Animals and animal products			18		$3,750		
Cattle		3		$750		35	0.1
Fish, fresh		8		1,600		20	.1
Fish, salt		7		1,400		30	.1
Vegetable food products			450		60,150		
Cottonseed meal		30		1,350		40	.075
Grain		200		10,000		30	.152
Groceries		100		45,000		35	.085
Hay		100		3,000		43	.07
Soft drinks		20		800		30	.1
Textile: Dry goods		50	50	75,000	75,000	36	.083
Wood and paper			6,807		50,150		
Furniture		7		1,750		30	.1
Lumber	100			1,500		15	.065
Timber, round, floated	6,700			46,900		1	(1)
Nonmetallic minerals			164		8,930		
Brick		25		225		35	.085
Cement		20		320		40	.075
Gasoline		41		6,075		30	.1
Kerosene		30		1,350		25	.1
Lime		48		960		40	.075
Ores, metals, and manufactures of: Hardware		15	15	4,250	4,250	30	.1
Machinery and vehicles: Machinery		8	8	1,600	1,600	30	.1
Chemicals			32,799		1,314,460		
Fertilizer		350		17,500		42	.071
Fertilizer material	32,399			1,295,960		2	(1)
Salt		50		1,000		35	.085
Unclassified: Ice		30	30	240	240	25	.085
Total upbound	39,199	1,142	40,341		1,518,530		
DOWNBOUND.							
Animals and animal products			103		33,250		
Cattle		25		6,250		30	.133
Eggs		10		5,000		30	.133
Hogs		60		18,000		35	.116
Poultry		8		4,000		20	.133
Vegetable food products			348		18,450		
Grain		100		5,000		20	.133
Peanuts		28		4,200		30	.076
Potatoes, Irish		25		2,000		20	.133
Potatoes, sweet		50		2,500		30	.133
Vegetables		20		1,000		20	.133
Watermelons		125		3,750		20	.2
Other vegetable products			209		8,690		
Rosin		32		1,280		35	.116
Tar		128		3,840		26	.085
Turpentine, crude		42		2,520		30	.133
Turpentine, spirits		7		1,050		30	.133
Textile: Cotton		150	150	66,000	66,000	30	.1
Wood and paper			4,304		30,386		
Empty oil barrels		9		450		20	.2
Lumber	120			1,800		40	(1)
Shingles		6		180		20	(1)
Timber, round, floated	2,942			20,594		30	(1)
Wood, fuel	1,227			7,362		25	(1)
Unclassified: Empty gas drums		7	7	2,100	2,100	20	.2
Total downbound	4,289	832	5,121		158,876		
Total up and down bound	43,488	1,974	45,462		1,677,406		

[1] Carried by owners.

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NORTHEAST RIVER, N. C.—continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Upbound.		Down bound.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products	18	$3,750	103	$33,250	121	$37,000
Vegetable food products	450	60,150	348	18,450	798	78,600
Other vegetable products	.....	.....	209	8,690	209	8,690
Textiles	50	75,000	150	66,000	200	141,000
Wood and paper	6,807	50,150	4,304	30,386	11,111	80,536
Nonmetallic minerals	164	8,930	.....	.....	164	8,930
Ores, metals, and manufactures of	15	4,250	.....	.....	15	4,250
Machinery and vehicles	8	1,600	.....	.....	8	1,600
Chemicals	32,799	1,314,460	.....	.....	32,799	1,314,460
Unclassified	30	240	7	2,100	37	2,340
Total	40,341	1,518,530	5,121	158,876	45,462	1,677,406

Vessel classification.

Classes.	American.	Foreign.	Total.	Net registered tonnage.
Registered:				
Steamships	3	2	5	12,643
Steamboats	4	.....	4	140
Gasoline	8	.....	8	82
Schooners	1	.....	1	400
Total	16	2	18	13,265

BLACK RIVER, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890	61,311	(1)	(1)	1906	57,053	$1,186,324	(1)
1891	79,424	(1)	(1)	1907	47,205	1,026,294	(1)
1892	56,051	(1)	(1)	1908	45,998	958,409	(1)
1893	45,003	(1)	(1)	1909	48,061	979,609	(1)
1894	41,130	(1)	(1)	1910	47,298	812,461	(1)
1895	63,262	(1)	(1)	1911	41,332	850,991	(1)
1896	69,033	(1)	(1)	1912	52,552	676,459	(1)
1897	31,144	(1)	(1)	1913	41,065	466,399	(1)
1898	38,139	(1)	(1)	1914	20,178	320,798	800
1899	48,533	(1)	(1)	1915	22,534	312,255	175
1900	58,087	(1)	(1)	1916	22,241	315,772	125
1901	61,069	(1)	(1)	1917	21,681	471,091	579
1902	72,224	(1)	(1)	1918	14,288	420,983	400
1903	74,123	(1)	(1)	1919	12,014	437,779	(1)
1904	72,677	$1,223,759	(1)	1920	3,135	254,850	250
1905	68,635	1,399,390	(1)	1921	4,955	296,144	450

[1] No statistics available.

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BLACK RIVER, N. C.—continued.

[Navigation season: Navigable the entire year over lower 24 miles.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.						*Miles.*	
Animals and animal products			18		$3,700		
Cattle		2		$500		24	$0.12
Fish, fresh		8		1,600		24	.12
Fish, salt		8		1,600		24	.12
Vegetable food products			357		54,215		
Cottonseed meal		27		1,215		24	.12
Cottonseed hulls		3		60		24	.12
Grain		135		6,750		24	.12
Groceries		96		43,200		24	.12
Hay		85		2,550		24	.12
Soft drinks		11		440		24	.12
Textile: Dry goods		39	39	58,500	58,500	24	.12
Wood and paper			97		3,670		
Empty oil barrels		20		1,000		24	.12
Furniture		6		1,500		24	.12
Lumber		64		960		24	.12
Shingles		7		210		24	.12
Nonmetallic minerals			112		2,510		
Brick		38		324		24	.12
Cement		31		496		24	.12
Gasoline		2		300		24	.12
Kerosene		19		950		24	.12
Lime		22		440		24	.12
Ores, metal, and manufactures of: Hardware		17	17	5,905	5,905	24	.12
Machinery and vehicles: Machinery		8	8	1,600	1,600	24	.12
Chemicals			346		15,920		
Fertilizer		300		15,000		24	.12
Salt		46		920		24	.12
Unclassified: Ice		20	20	160	160	24	.12
Total upbound		1,014	1,014		146,180		
DOWN BOUND.							
Animals and animal products			98		31,100		
Cattle		33		8,200		24	.16
Eggs		9		4,500		24	.16
Hogs		48		14,400		24	.16
Poultry		8		4,000		24	.16
Vegetable food products			312		21,025		
Cotton seed		15		825		24	.16
Grain		110		5,500		24	.16
Potatoes, Irish		25		2,000		24	.16
Potatoes, sweet		50		2,500		24	.16
Peanuts		56		8,400		24	.16
Vegetables		6		300		24	.16
Watermelons		50		1,500		24	.16
Other vegetable products			190		7,320		
Rosin		24		960		24	.16
Tar		120		3,600		24	.16
Turpentine, crude		46		2,760		24	.16
Textiles: Cotton		143	143	62,920	62,920	24	.16
Wood and paper			3,198		27,599		
Cross ties	83			1,255		24	.16
Empty oil barrels		9		450		24	.16
Lumber	538			8,070		24	.16
Timber, round, rafted	2,416			16,912		15	
Wood, fuel	152			912		24	.16
Total down bound	3,189	752	3,941		149,964		
Total up and down bound	3,189	1,766	4,955		296,144		

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BLACK RIVER, N. C.—continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Upbound.		Downbound.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	18	$3,700	98	$31,100	116	$34,800
Vegetable food products	357	54,215	312	21,025	669	75,240
Other vegetable products			190	7,320	190	7,320
Textiles	39	58,500	143	62,920	182	121,420
Wood and paper	97	3,670	3,198	27,599	3,295	31,269
Nonmetallic minerals	112	2,510			112	2,510
Ores, metals, etc	17	5,905			17	5,905
Machinery and vehicles	8	1,600			8	1,600
Chemicals	346	15,920			346	15,920
Unclassified	20	160			20	160
Total	1,014	146,180	3,941	149,964	4,955	296,144

Vessel classification, 1921.

Classes.	American.	Net. registered tonnage.
Registered:		
Steamers	4	64
Gasoline	2	12
Total	6	76

Number of passengers transported during the year, 450.

SHALLOTTE RIVER, N. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1908	4,190	$227,569	1917	3,393	$360,644
1913	8,001	367,609	1918	3,216	448,137
1914	3,901	132,780	1919	9,920	630,416
1917	6,290	308,762	1920	4,020	532,769
1918	3,517	268,385	1921	4,430	407,865

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SHALLOTTE RIVER, N. C.—continued.

[Navigation season, entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS.						*Miles.*
Vegetable food products			653		$161,950	
Cottonseed hulls		12		$240		9
Cottonseed meal		10		450		9
Grain		162		8,100		9
Groceries		331		148,950		9
Hay		131		3,930		9
Soft drinks		7		280		9
Textiles: Dry goods		11	11	16,500	16,500	9
Wood and paper			128		5,110	
Empty oil barrels		68		3,400		9
Furniture		3		750		9
Lumber		50		750		9
Shingles		7		210		9
Nonmetallic minerals			382		41,350	
Brick		80		720		9
Cement		10		160		9
Gasoline		200		30,000		9
Kerosene		86		10,350		9
Lime		6		120		9
Ores, metals, and manufactures of: Hardware		7	7	2,400	2,400	9
Machinery and vehicles: Machinery		23	23	4,600	4,600	9
Chemicals			898		39,560	
Fertilizer		670		33,500		9
Fertilizer material		75		3,000		9
Salt		153		3,060		9
Total receipts		2,102	2,102		271,470	
SHIPMENTS.						
Animals and animal products			197		35,870	
Clams		48		1,920		9
Eggs		11		5,500		9
Fish, salt		132		26,400		9
Oysters		2		50		9
Poultry		4		2,000		9
Vegetable food products			67		3,685	
Cotton seed		5		275		9
Cottonseed meal		28		1,260		9
Potatoes, Irish		15		1,200		9
Potatoes, sweet		19		950		9
Other vegetable products			392		23,620	
Rosin		139		5,560		9
Tar		120		3,600		9
Turpentine, spirits		72		10,800		9
Turpentine, crude		61		3,660		9
Textiles: Cotton		74	74	32,560	32,560	9
Wood and paper			1,548		25,660	
Empty oil barrels		40		2,000		9
Lumber		1,008		20,160		9
Timber, round, rafted	500			3,500		9
Unclassified: Empty gasoline drums		50	50	15,000	15,000	9
Total shipments	500	1,828	2,328		136,395	
Total receipts and shipments	500	3,930	4,430		407,865	

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SHALLOTTE RIVER, N. C.—continued.

SUMMARY.

Classes and commodities.	Domestic.				Total.	
	Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	.....	.....	197	$35,870	197	$35,870
Vegetable food products	653	$161,950	67	3,685	720	165,635
Other vegetable products	.....	.....	392	23,620	392	23,620
Textile	11	16,500	74	32,560	85	49,060
Wood and paper	128	5,110	1,548	25,660	1,676	30,770
Nonmetallic minerals	382	41,350	.....	.....	382	41,350
Ores, metals, etc	7	2,400	.....	.....	7	2,400
Machinery and vehicles	23	4,600	.....	.....	23	4,600
Chemicals	898	39,560	.....	.....	898	39,560
Unclassified	.....	.....	50	15,000	50	15,000
Total	2,102	271,470	2,328	136,395	4,430	407,865

CHARLESTON, S. C., DISTRICT.

WINYAH BAY, S. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1896	(1)	[2] $12,900,453	(3)	1909	337,319	$5,169,464	(3)
1897	(1)	[2] 10,201,516	(3)	1910	314,547	5,127,260	(3)
1898	(1)	[2] 9,863,658	(3)	1911	314,503	5,322,569	(3)
1899	120,587	6,337,853	(3)	1912	309,673	5,000,901	(3)
1900	129,639	6,749,433	(3)	1913	211,055	4,849,083	(3)
1901	247,989	8,457,906	(3)	1914	175,283	4,146,954	(3)
1902	387,471	9,310,682	(3)	1915	183,746	4,900,821	41
1903	368,502	9,359,581	(3)	1916	315,026	7,522,688	92
1904	369,774	9,546,843	(3)	1917	293,142	10,659,285	51
1905	363,916	10,401,879	(3)	1918	205,070	7,813,228	.....
1906	392,770	10,139,751	(3)	1919	115,325	6,295,973	.....
1907	382,915	9,432,575	(3)	1920	45,835	2,149,985	[4] 5,557
1908	283,470	8,078,583	(3)	1921	57,191	3,554,015	5,667

[1] Tonnage corresponding to values given is unknown.
[2] Figures of Collector of Port.
[3] No statistics.
[4] Exclusive of 66,000 passengers carried by ferry.

Figures 1899–1915, inclusive, probably do not include through traffic, but this is uncertain.
Figures 1916–1920, inclusive, are for commerce "over the docks" and do not include through traffic.
Figures for 1899–1904, inclusive, 1907, and 1918 appear to contain some rough approximations.

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WINYAH BAY, S. C.—continued.

[Navigation season, entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by groups.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By groups.		
RECEIPTS, COASTWISE.							
Animals and animal products:						*Miles.*	
Canned goods, animal		41	41	$4,080	$4,080		
Vegetable food products			105		9,345		
Grits		24		1,440			
Flour		37		3,578			
Potatoes, Irish and sweet		10		567			
Sugar		34		3,760			
Wood and paper: Hardwood, logs	300		300	850	850		
Nonmetallic minerals: Fuel oil	51		51	2,060	2,060		
Machinery and vehicles	64		64	25,600	25,600		
Chemicals: Salt	65		65	1,105	1,105		
Unclassified			494		157,100		
Groceries	190			20,900			
Furniture	14			7,250			
Dry goods	33			29,700			
Miscellaneous	12			1,250			
General merchandise	245			98,000			
Total	974	146	1,120		200,140		
SHIPMENT, COASTWISE.							
Other vegetable products: Rosin	261		261	1,719,550	1,719,550		
Wood and paper: Lumber	34,526		34,526	297,868	297,868		
Unclassified: Miscellaneous		46	46	4,600	4,600		
Total	34,787	46	34,833		2,022,018		
SHIPMENTS, INTERNAL.							
Animals and animal products:							
Hogs	1		1	185	185	40	$0.07
Vegetable food products			311		27,727		
Flour		157		15,248		5	.075
Hay	30			870		40	.075
Oats		6		228		36	.075
Corn		4		125		13	.075
Soft drinks		9		636		49	.075
Sugar		68		7,417		59	.075
Rice		30		3,028		40	.075
Watermelons	7			175		40	.075
Wood and paper: Lumber	21		21	425	425	13	(1)
Nonmetallic minerals			329		3,956		
Salt	157			2,672		59	.1
Lime		22		456		59	.7
Stone	60			210		40	.075
Coal	48			576		60	.05
Sand	42			42		14	.2
Machinery and vehicles	52		52	90,600	90,600	60	.05
Chemicals: Fertilizer	1,400		1,400	49,080	49,080	7	.03
Unclassified: General merchandise		412	412	63,500	63,500	59	.075
Total	1,818	708	2,526		235,473		

[1] Own boat.

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WINYAH BAY, S. C.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By groups.		
RECEIPTS, INTERNAL.						*Miles.*	
Animals and animal products			71		$22,577		
Hogs	2			$300		58	$0.07
Fish	41			14,287		40	.07
Eggs		8		2,979		7	.07
Oysters	3			170		52	.07
Horses	15			4,650		60	.05
Cattle	2			191		60	.07
Vegetable food products			954		23,683		
Cottonseed hull and meal		615		7,800		19	.07
Hay	123			3,567		44	.075
Peanuts		15		365		49	.075
Oats		3		138		59	.05
Corn		10		338		53	.075
Watermelons	28			645		49	.15
Potatoes		16		922		34	.05
Vegetables		66		3,068		56	.05
Rice		78		7,840			
Other vegetable products			503		60,644		
Turpentine, spirits		183		38,860		50	.075
Tobacco		2		940		60	.05
Rosin		318		20,844		50	.075
Textiles: Cotton, upland		1,505	1,505	524,926	524,926	60	.05
Wood and paper			8,945		102,611		
Logs, floated	1,650			7,149		39	
Lumber	6,493			85,794		41	.30
Wood	750			4,000		30	.20
Shingles	52			5,668		56	.20
Nonmetallic minerals			329		14,509		
Gasoline		185		9,942		55	.075
Kerosene		130		4,586		6	.075
Brick	14			71		31	.015
Machinery and vehicles	52		52	90,420	90,420	60	.05
Unclassified: General merchandise		1,140	1,140	119,060	119,060	43	.10
Total	9,225	4,274	13,499		958,520		
SHIPMENTS, LOCAL.							
Machinery and vehicles	150		150	15,000	15,000	10	(1)
Chemicals: Fertilizer	225		225	7,875	7,875	8	(1)
Unclassified: General merchandise		140	140	13,000	13,000	10	.10
Total	375	140	515		35,875		
RECEIPTS, LOCAL.							
Animals and animal products: Fish	176		176	55,800	55,800	48	(1)
Vegetable food products			97		3,620		
Watermelons	7			120		8	.075
Vegetables, miscellaneous		90		3,500		80	(1)
Wood and paper: Lumber	4,408		4,408	41,954	41,954	10	.10
Machinery and vehicles	2		2	600	600	8	(1)
Unclassified: General merchandise		15	15	750	750	12	.25
Total	4,593	105	4,698		102,724		

[1] Own boat.

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WINYAH BAY, S. C.—continued.

SUMMARY.

Classes and commodities.	Coastwise.		Domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	41	$4,080	248	$78,562	289	$82,642
Vegetable food products	105	9,345	1,362	55,030	1,467	64,375
Other vegetable products	261	1,719,550	503	60,644	764	1,780,194
Textiles	.....	.....	1,505	524,926	1,505	524,926
Wood and paper	34,826	298,718	13,374	144,990	48,200	443,708
Nonmetallic minerals	51	2,060	658	18,555	709	20,615
Machinery and vehicles	64	25,600	256	196,620	320	222,220
Chemicals	65	1,105	1,625	56,955	1,690	58,060
Unclassified	540	161,700	1,707	195,575	2,247	357,275
Total	35,953	2,222,158	21,238	1,331,857	57,191	3,554,015

Vessel classification, 1921.

Class.	American ships.	Total.	Net registered tonnage.	Passengers.
Unregistered:				
Steamers—				
Coastwise, in	18	18	25,800	.....
Coastwise, out	18	18	25,800	.....
Sailing—				
Coastwise, in	34	34	19,991	.....
Coastwise, out	34	34	19,991	.....
Barges—				
Coastwise, in	6	6	3,742	.....
Coastwise, out	6	6	3,742	.....
Small boats	1,380	.....	9,660	5,667

SUMMARY.

Total steamers	36	36	51,600	.....
Total sailing	68	68	39,982	.....
Total barges	12	12	7,484	.....
Total small boats	1,380	1,380	9,660	5,667
Ferry	.....	.....	.....	66,750

WACCAMAW RIVER, N. C. AND S. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1896	203,388	$2,314,175	(1)	1909	111,096	$1,431,121	(1)
1897	241,300	2,406,390	(1)	1910	135,229	1,115,395	(1)
1898	258,191	2,666,280	(1)	1911	107,811	1,621,653	(1)
1899	376,822	3,135,214	(1)	1912	76,942	1,528,814	(1)
1900	467,887	3,481,072	(1)	1913	85,287	1,950,408	(1)
1901[2]	302,655	3,835,700	(1)	1914	49,736	1,165,481	(1)
1902	141,666	1,844,019	(1)	1915	83,649	1,203,570	18,170
1903[2]	143,813	1,884,700	(1)	1916	82,178	1,284,365	18,056
1904	190,435	2,119,040	(1)	1917	74,617	2,632,066	17,157
1905	207,630	2,665,917	(1)	1918	76,473	4,025,421	16,588
1906[2]	244,920	3,720,000	(1)	1919	65,431	3,861,695	(1)
1907	295,135	4,050,550	(1)	1920	20,895	674,898	1,567
1908	93,743	3,258,677	(1)	1921	20,415	568,501	5,548

[1] No record. [2] Figures appear to contain some rough approximations.

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WACCAMAW RIVER, N. C. AND S. C.—continued.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by groups.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By groups.		
SHIPMENTS, INTERNAL.						*Miles.*	
Animals and animal products			61		$16,799		
Cattle	2			$191		60	$0.05
Fish, fresh	35			9,487		7	.05
Eggs		5		1,926		58	.05
Oysters, fresh	3			170		60	.05
Horses	15			4,650		60	.05
Poultry		1		375		60	.05
Vegetable food products			373		15,902		
Rice		78		7,840		58	.05
Hay	55			1,595		60	.05
Peanuts		15		330		10	.05
Oats		3		116		60	.05
Corn		4		158		60	.05
Watermelons	25			620		58	.05
Vegetables, miscellaneous		66		2,068		60	.05
Cottonseed hull and meal		127		3,175		60	.05
Other vegetable products:							
Tobacco		2	2	940	940	60	.05
Textiles: Cotton, upland		346	346	121,188	121,188	160	.05
Wood and paper			12,486		134,042		
Logs, floated	7,326			58,647		29	
Lumber	5,033			69,577		47	(1)
Wood	75			150		30	(1)
Shingles	52			5,668		56.9	(1)
Machinery and vehicles	52		52	90,420	90,420	60	.05
Chemicals: Fertilizer	30		30	1,050	1,050	30	.06
Total	12,703	647	13,350		380,341		
RECEIPTS, INTERNAL.							
Animals and animal products:							
Hogs	11		11	2,500	2,500	20	.10
Vegetable food products			154		14,291		
Rice		1		100		12	.20
Flour		89		8,380		58	.05
Oats		1		36		11	.20
Corn		2		80		10	.15
Soft drinks		6		425		52	.15
Potatoes		15		880		58	.15
Sugar		40		4,390		58	.15
Textiles: Cotton, upland		12	12	4,375	4,375	20	.047
Wood and paper			6,018		15,300		
Logs, barged	6,000			15,000		25	(1)
Lumber	18			300		12	.20
Nonmetallic minerals			260		4,859		
Cement		22		382		59	.15
Salt		125		2,134		59	.15
Lime		11		220		60	.05
Gasoline		3		160		12	.20
Kerosene		37		1,316		5.9	.15
Brick	14			71		31	.15
Coal	48			576		60	.15
Machinery and vehicles	55		55	91,050	91,050	80	.05
Chemicals: Fertilizer	335		335	11,725	11,725	56	.05
Unclassified: General merchandise		220	220	44,060	44,060	60	.15
Total	6,481	584	7,062		188,160		

[1] Own boat.

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WACCAMAW RIVER, N. C. AND S. C.—continued.

SUMMARY.

Classes and commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	72	$19,299
Vegetable food products	527	30,193
Other vegetable products	2	940
Textiles	358	125,563
Wood and paper	18,504	149,342
Nonmetallic minerals	260	4,859
Machinery and vehicles	107	181,470
Chemicals	365	12,775
Unclassified	220	44,060
Total	20,415	568,501

Vessel classification, 1921.

Class.	No.	Net registered tonnage.	Passengers.
Launches and small boats	1,529	10,703	5,548

GREAT PEDEE RIVER, S. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1896	229,964	$1,325,250	1909	66,785	$1,502,695
1897	114,177	1,167,914	1910	46,235	1,059,150
1898	75,280	1,228,885	1911	31,396	1,062,415
1899	134,072	1,692,709	1912	20,094	893,341
1900	154,727	2,645,560	1913	13,945	804,529
1901	188,912	2,811,080	1914	17,461	587,673
1902	152,008	1,328,970	1915	15,758	446,956
1903	153,014	1,338,759	1916	12,049	372,248
1904	162,566	1,507,181	1917	12,702	1,212,498
1905	148,869	1,618,551	1918	36,337	339,543
1906	175,250	1,751,475	1919	17,236	128,687
1907	229,898	1,957,388	1920 [1]	(1)	(1)
1908	48,690	1,559,543	1921	7,231	28,691

[1] No commerce of record for 1920.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTERNAL.						*Miles.*	
Wood and paper			7,231		$28,691		
Logs, barged	6,000			$15,000		25	(1)
Lumber	1,231			13,691		54	$0.34
Total	7,231		7,231		28,691		

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GREAT PEDEE RIVER, S. C.—continued.

SUMMARY.

Classes and commodities.	Domestic.	
	Tons.	Value.
Wood and paper	7,231	$28,691

Vessel classification, 1921.

Class.	No.	Net registered tonnage.	Passengers.
Launches and small boats	38	266	None.

SANTEE RIVER AND ESTHERVILLE-MINIM CREEK CANAL.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1896	134,135	$2,204,600	1909	79,502	$164,360
1897	134,206	2,159,940	1910	71,367	927,547
1898	112,205	2,203,800	1911	62,293	1,001,344
1899	154,327	2,679,100	1912	95,281	520,936
1900	179,090	2,622,200	1913	73,557	749,747
1901	204,375	1,809,000	1914	55,642	1,004,615
1902	215,600	1,882,500	1915	25,376	770,902
1903	220,900	1,840,000	1916	27,128	397,161
1904	242,800	1,662,500	1917	30,560	443,575
1905	329,350	1,485,000	1918	18,274	179,051
1906	427,300	1,830,000	1919	6,373	117,090
1907	474,750	1,735,000	1920	1,831	34,982
1908	70,590	1,172,169	1921	8,730	60,361

Number of passengers carried in 1920, 250. No statistics for prior years.
Number of passengers carried in 1921, 263.

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SANTEE RIVER AND ESTHERVILLE-MINIM CREEK CANAL—continued.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	
Vegetable food products: Grain		1	1	$52	$52		
Wood and paper			2,746		19,231		
Wood	750			4,000		30	(1)
Logs, floated	1,633			7,106		39	(1)
Lumber	363			8,125		46	(1)
Nonmetallic minerals			5,429		20,002		
Cement		320		5,607		119	(1)
Sand	1,500			3,000		4	(1)
Gravel	1,200			2,600		5	(1)
Gasoline		23		1,236		120	(1)
Kerosene		21		750		120	(1)
Brick	45			240		107	(1)
Stone	2,000			4,000		114	(1)
Coal	320			2,569		120	(1)
Machinery and vehicles	300		300	10,000	10,000	120	(1)
Chemicals: Fertilizer	12		12	500	500	18	$0.12
Unclassified: General merchandise		152	152	5,500	5,500	118	.12
Total	8,123	517	8,640	55,285	55,285		
SHIPMENTS, INTERNAL.							
Animals and animal products			4		2,915		
Fish, fresh	3			2,800		20	.07
Hogs	1			115		17	.12
Vegetable food products			8		275		
Cottonseed hull and meal		3		75		18	.04
Watermelons	3			25		9	.07
All other	2			175		11	.07
Textiles: Cotton, upland		3	3	1,050	1,050	18	.10
Wood and paper: Lumber	75		75	836	836	40	.04
Total	84	6	90		5,076		

[1] No rate per ton-mile given as party hauling commodities owned boat.

SUMMARY.

Classes and commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	4	$2,915
Vegetable food products: Oil seeds, expressed oils and beverages	9	327
Textiles	3	1,050
Wood and paper	2,821	20,067
Nonmetallic minerals	5,429	20,002
Machinery and vehicles	300	10,000
Chemicals	12	500
Unclassified	152	5,500
Total	8,730	60,361

Vessel classification, 1921.

Class.	No.	Net registered tonnage.	Passengers.
Launches and small boats	172	1,204	263

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CONGAREE RIVER, S. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1896	18,307	$178,900	1909	26,354	$331,214
1897	40,857	110,100	1910	9,688	790,414
1898	81,362	201,700	1911	19,044	887,496
1899	88,696	191,700	1912	4,307	335,825
1900	121,363	197,000	1913	3,631	532,558
1901	14,583	70,000	1914	6,077	624,955
1902	58,075	123,500	1915	4,324	656,560
1903	114,310	271,400	1916	5,364	498,018
1904	43,035	93,900	1917	3,340	268,755
1905	34,350	252,000	1918	2,308	133,284
1906	35,522	821,100	1919 [1]	.....	.....
1907	73,833	1,234,458	1920 [1]	.....	.....
1908	22,122	506,994	1921 [2]	10,000	200,000

[1] No commerce of record for 1919 and 1920.
[2] No navigation on this river except log rafting for an average of about 20 miles.

Freight traffic during 1921 consisted of 10,000 logs, rafted, valued at $200,000. No navigation on this river except log rafting for an average of about 20 miles.

WATERWAY BETWEEN CHARLESTON AND WINYAH BAY, S. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers
1903	33,344	$579,520	(1)	1913	54,259	$1,551,688	(1)
1904	39,064	573,770	(1)	1914	25,667	829,859	(1)
1905	58,421	608,761	(1)	1915	10,818	425,307	(1)
1906	49,440	797,747	(1)	1916	15,765	466,462	(1)
1907	36,230	921,675	(1)	1917	23,781	641,161	1,023
1908	32,388	1,146,240	(1)	1918	17,419	633,035	150
1909	39,348	1,164,637	(1)	1919	7,597	247,507	140
1910	36,441	1,165,161	(1)	1920	9,821	393,242	275
1911	44,267	924,876	(1)	1921	8,258	420,210	253
1912	42,136	1,440,710	(1)				

[1] No record.

The project for improvement from McClellanville to Georgetown was not adopted until 1919, though in previous years there was some commerce over this route.

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WATERWAY BETWEEN CHARLESTON AND WINYAH BAY, S. C.—contd.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by groups.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By groups.		
RECEIPTS, INTERNAL.						*Miles.*	
Animals and animal products			159		$31,833		
Cattle	14			$800		60	$0.04
Poultry		1		200		60	.04
Oysters, fresh	1			50		60	.04
Oysters, canned		141		30,000		60	.04
Eggs		1		450		60	.04
Hogs		1		333		60	.04
Vegetable food products			708		37,544		
Peanuts		10		630		26	.04
Cottonseed hull and meal		63		1,730		34	.07
Vegetables, miscellaneous		30		950		60	.05
Potatoes		600		34,000		6	.05
Soft drinks		1		84		9	.04
Watermelons	4			150		60	.04
Textiles: Cotton, upland		17	17	5,575	5,575	50	.04
Wood and paper			16		600		
Shingles		1		150		60	.04
Lumber	13			250		49	.04
Crossties	2			200		60	.04
Nonmetallic minerals			1,405		5,427		
Stone		1,000		4,000		5	.07
Kerosene		1		50		80	.05
Gasoline		3		161		7	.05
Gravel		400		1,200		18	.05
All other		1		16		18	.04
Machinery and vehicles	3		3	3,000	3,000	60	.04
Chemicals: Fertilizer	42		42	1,550	1,550	21	.07
Unclassified: General Merchandise		12	12	600	600	53	.04
Total	79	2,283	2,362		83,429		
SHIPMENTS, INTERNAL.							
Animals and animal products			4		2,961		
Hogs	1			148		32	.04
Fish, fresh	3			2,813		20	.04
Vegetable food products			153		10,233		
Corn		1		50		60	.04
Oats		16		602		58	.04
Cottonseed, hull and meal		40		2,301		28	.04
Rice		32		3,200		60	.04
Vegetables, miscellaneous		1		50		60	.04
Sugar		15		1,500		60	.04
Potatoes		30		1,742		59	.04
Watermelons	3			25		18	.04
Hay	10			200		60	.04
Flour		5		563		60	.04
Other vegetable products			298		36,719		
Turpentine		102		20,475		10	.04
Rosin		194		12,744		10	.04
Tobacco		2		3,500		60	.04
Textiles: Cotton, upland		3	3	1,050	1,050	18	.04
Wood and paper			2,034		33,353		
Logs, floated	634			7,016		39	(1)
Wood	750			4,000		30	(1)
Lumber	650			22,337		24	.04
Nonmetallic minerals			2,827		18,765		
Lime		15		200		60	.04
Coal	330			2,660		118	.04
Cement		330		5,770		118	.04
Brick	47			260		117	.04
Kerosene		60		2,100		80	.04
Gasoline		40		2,075		90	.04
Gravel		1,000		2,600		120	.04
Sand	1,000			3,000		120	(1)
Salt		5		100		60	(1)
Machinery and vehicles	302		302	140,000	140,000	119.6	.04
Chemicals: Fertilizer	100		100	3,500	3,500	60	.04
Unclassified: General merchandise		175	175	87,500	87,500	111	.04
Total	3,830	2,066	5,896		334,081		

[1] Own boat.

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WATERWAY BETWEEN CHARLESTON AND WINYAH BAY, S. C.—contd.

SUMMARY.

Classes and commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	163	$34,794
Vegetable food products	861	47,777
Other vegetable products	298	36,719
Textiles	20	6,625
Wood and paper	2,050	33,953
Nonmetallic minerals	4,232	24,192
Machinery and vehicles	305	143,000
Chemicals	142	5,050
Unclassified	187	88,100
Total	8,258	420,210

Vessel classification, 1921.

Class.	No.	Net registered tonnage.	Passengers.
Launches and small boats	604	4,228	253

CHARLESTON HARBOR, S. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1896	[1] 3,317,497	([2])	([2])	1909	[6] 828,329	[6] $79,253,684	([2])
1897	[1] 1,015,140	([2])	([2])	1910	[6] 1,111,952	[6] 100,619,552	([2])
1898	[1] 997,158	([2])	([2])	1911	[6] 1,163,732	[6] 77,388,475	([2])
1899	[1] 1,018,366	([2])	([2])	1912	[6] 986,206	[6] 73,440,486	([2])
1900	[1] 992,661	([2])	([2])	1913	[6] 1,043,058	[6] 79,225,772	([2])
1901	[3] 962,132	[3] $32,187,115	([2])	1914	[6] 919,184	[6] 46,800,741	12,772
1902	[3] 966,010	[3] 37,384,478	([2])	1915	[4] 920,802	[4] 57,389,658	10,641
1903	[4] 872,841	[4] 50,921,062	([2])	1916	[4] 1,105,894	[4] 74,020,684	12,354
1904	[4] 1,120,372	[4] 53,208,224	([2])	1917	[6] 776,026	[6] 73,560,679	6,345
1905	[4] 1,102,490	[4] 55,169,691	([2])	1918	[4] 520,686	[4] 68,564,958	7,463
1906	[5] 835,360	[5] 56,301,096	([2])	1919	[4] 863,987	[4] 127,094,176	[7] 9,967
1907	[5] 722,338	[5] 56,138,444	([2])	1920	[4] 2,224,606	[4] 110,574,118	22,064
1908	[5] 651,232	[5] 61,444,244	([2])	1921	1,509,261	154,454,542	[8] 461,106

[1] Could not be checked; 1896 probably includes through commerce.
[2] No record.
[3] Includes local and internal commerce through Wappoo Cut only.
[4] Includes local and internal commerce through both Wappoo Cut and waterways north of Charleston.
[5] Does not include local nor internal commerce.
[6] Uncertain whether it includes local and internal commerce.
[7] Does not include troops from overseas.
[8] 448,451 are ferry passengers.
After 1901 figures are for commerce "over the docks," and do not include throguh traffic.

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CHARLESTON HARBOR, S. C.—continued.

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons, by commodities. Bulk.	Amount in short tons, by commodities. Package.	Amount in short tons, by groups.	Value. By commodities.	Value. By groups.	Average haul.	Rate per ton-mile.
IMPORTS.						*Miles.*	*Cents.*
Animals and animal products			123		$5,047		
Meat products		34		$2,129			
Bone and horn		88		1,239			
All other		1		1,679			
Vegetable food products: Fruits		20	20	1,006	1,006		
Other vegetable products: Tobacco and all other		1	1	6,202	6,202		
Textiles			6,850		113,918		
Jutes and jutes butts		6,849		112,599			
All other		1		1,319			
Wood and paper			1,299		69,378		
Furniture		1		409			
Shingles		1,264		60,196			
Books and paper		34		8,773			
Nonmetallic minerals			3,401		966,288		
Mineral oil		3,319		965,257			
Glass		12		186			
Earthenware		19		225			
China		1		369			
Stone		50		251			
Ores, metals and manufactures: Iron		74	74	3,104	3,104		
Chemicals			38,340		2,130,502		
Fertilizer		9,598		393,440			
Kainite		7,223		168,294			
Salt		1,203		146,969			
Chemicals		10		365			
Nitrate of soda		20,306		1,421,434			
Unclassified: Personal effects		1	1	3,751	3,751		
Total		50,109	50,109		3,299,196		
EXPORTS.							
Animals and animal products			30		18,797		
Beef, canned		1		542			
Leather		1		950			
Bacon		1		629			
Sausage casing		26		16,515			
Milk, evaporated and condensed		1		161			
Vegetables food products			4,146		142,271		
Coffee		1		370			
Rice		2		199			
Sugar		1		182			
Vegetables, canned		10		424			
Fruits		10		303			
Vegetables		8		265			
Wheat flour		10		925			
Meal, cottonseed		4,103		139,573			
All other		1		30			
Other vegetable products: Tobacco		513	513	2,879,759	2,879,759		
Textiles			21,766		4,690,503		
Cotton, upland		15,154		4,351,613			
Cotton, linters		6,522		309,867			
Mill waste		86		23,023			
Sea-island cotton		4		6,000			
Wood and paper			1,026		14,937		
Oak boards		90		3,358			
Woodenware		30		445			
Railroad ties		6		90			
Gum boards		288		6,375			
Pine boards		612		4,669			
Nonmetallic minerals			486,912		3,204,183		
Coal, bituminous		300,506		2,688,431			
Fuel, oil		186,406		515,752			
Ores, metals and manufactures			3		6,638		
Switches, fog		1		6,134			
Cut nails, iron		2		504			
Machinery and vehicles			11		118,174		
Motor truck		1		75			
Agricultural implements		10		118,099			

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CHARLESTON HARBOR, S. C.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
EXPORTS—continued.						*Miles.*	*Cents.*
Chemicals			3		$596		
Soap		2		$492			
All other		1		104			
Unclassified			11		727		
General merchandise		1		502			
Roofing, felt		10		225			
Total		514,421	514,421		11,076,585		

DOMESTIC.

COASTWISE RECEIPTS.							
Animals and animal products			6,899		1,143,100		
Animal, canned		4,637		690,700			
Fish, canned		2,262		452,400			
Vegetable food products			24,203		2,210,023		
Rice		907		136,050			
Beans		394		19,700			
Flour		4,855		623,110			
Potatoes		12,304		639,808			
Sugar		1,633		220,455			
Coffee		2,271		227,100			
Bran		218		43,600			
Vegetables, canned		1,621		300,200			
Textiles: Bagging	19,608		19,608	2,921,250	2,921,250		
Wood and paper			58,348		334,180		
Paper		800		80,000			
Shingles		2,548		89,180			
Logs, floated	55,000			165,000			
Nonmetallic minerals			225,155		4,415,315		
Petroleum products		35,354		2,016,006			
Fuel oil		31,241		499,856			
Crude oil		137,484		1,010,407			
Gasoline		14,973		804,799			
Coal, anthracite	5,357			58,137			
Cement and lime		746		26,110			
Ores, metals and manufactures:							
Iron and steel articles	1,967		1,967	167,195	167,195		
Chemicals			59,997		2,546,368		
Nitrate of soda		9,500		436,000			
Salt		2,170		87,640			
Soda		16,147		916,650			
Sulphur		1,550		23,303			
Fertilizer	28,618			1,002,891			
Tankage		2,012		79,883			
Unclassified			76,293		54,876,371		
Miscellaneous merchandise		74,445		54,045,193			
Miscellaneous roofing		13		1,428			
Miscellaneous paint		626		281,700			
Ammunition		1,209		548,050			
Total	110,550	361,920	472,470		68,613,804		
COASTWISE SHIPMENTS.							
Animals and animal products:							
Live stock	6		6	2,100	2,100		
Vegetable food products			1,757		507,250		
Rice		23		3,450			
Peanuts		1,674		502,000			
Hay		60		1,800			
Textiles			38,810		19,506,305		
Bagging		2,311		173,325			
Linters		3,260		896,500			
Cotton, sea-island		26		13,000			
Cotton, upland		6,268		2,256,480			
Cotton goods		26,945		16,167,000			

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CHARLESTON HARBOR, S. C.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
COASTWISE SHIPMENTS—contd.						*Miles.*	
Wood and paper: Lumber	73,557		73,557	$828,405	$828,405		
Nonmetallic minerals			175,062		2,731,913		
Petroleum products		3,925		46,118			
Coal, bituminous	14,666			123,920			
Coal, anthracite	1,097			8,776			
Gasoline		46,428		1,694,687			
Kerosene		1,234		43,190			
Bunker fuel		107,547		790,470			
Clay	165			24,750			
Machinery and vehicles			99		146,000		
Machinery		45		18,000			
Automobiles		54		128,000			
Chemicals: Fertilizer		12,532	12,532	295,091	295,091		
Unclassified			14,165		11,098,100		
Miscellaneous		14,040		11,085,600			
General merchandise		125		12,500			
Total	89,491	226,497	315,988		35,115,164		
RECEIPTS, LOCAL.							
Animals and animal products			83		6,946		
Cattle	9			649		8	$0.20
Clams		24		705		4	.10
Oysters, fresh	16			626		3	.10
Fish, fresh	30			4,200		15	.10
Hogs	4			766		7	.20
Vegetable food products			7,187		282,096		
Vegetables, miscellaneous		4,820		148,672		7	.20
Potatoes		2,325		132,044		6	.20
Watermelons	22			562		6	.20
Corn		12		350		8	.10
Peanuts		8		468		6	.12
Other vegetable products: Tobacco		1	1	1,200	1,200	17	.13
Textiles			15,962		5,587,211		
Cotton, upland		15,961		5,586,613		8	.10
All other		1		598		8	.10
Wood and paper			31,358		328,402		
Logs, floated	29,055			214,640		18	(1)
Wood	300			3,000		17	.049
Lumber	1,238			15,137		20	.75
Furniture		765		95,625		3	.75
Machinery and vehicles	4,800		4,800	4,800,000	4,800,000	3	.33
Total	35,474	23,917	59,391		11,005,855		
SHIPMENTS, LOCAL.							
Vegetable food products			90		3,700		
Cottonseed hull and meal		6		144		6.5	.15
Rice		9		960		5.6	.18
Oats		8		296		10	.15
Hay	62			1,800		45	.15
Flour		5		500		20	.15
Wood and paper			3,071		146,672		
Shingles		1		118		11.8	.125
Wood	2			16		12	.25
Lumber	2,133			29,663		37	.20
Furniture		935		116,875		3	.75
Nonmetallic minerals			11,806		196,733		
Coal	11,148			167,097		4.5	.20
Cement		6		100		10	(1)
Brick	4			40		10	(1)
Kerosene		281		9,774		4	.20
Gasoline		366		19,700		3.4	.25
Salt		1		22		8	.20
Machinery and vehicles	4,860		4,860	4,818,000	4,818,000	3.2	.33
Chemicals			2,401		84,750		
Fertilizer material	10			120		3.5	(1)
Fertilizer	2,391			84,630		7.97	.20

[1] Own boat.

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CHARLESTON HARBOR, S. C.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, LOCAL—continued.							
						Miles.	
Unclassified			54,713		$19,679,800		
Ice	2,000			$24,000		3	$0.40
Unclassified merchandise		206		20,100		80	(1)
Miscellaneous		52,507		19,635,700		4.1	.80
Total	22,610.00	54,331.00	76,941.00		24,929,655		
RECEIPTS, INTERNAL.							
Animals and animal products			241		40.372		
Eggs		2		734		85	.06
Cattle	68			4,116		56	.06
Poultry		1		532		38	.06
Clams		1		40		48	.11
Oysters, fresh	1			50		60	.04
Oysters, canned		141		30,000		60	.04
Hogs	26			3,750		24	.06
All other	1			150		40	.06
Vegetable food products			3,769		152,985		
Flour		23		2,248		24	.10
Oats		8		300		25	.10
Cottonseed hull and meal		85		2,283		27	.07
Rice		97		9,764		42	.15
Vegetable, miscellaneous		1,373		43,130		23	.10
Potatoes		1,381		78,265		16	.10
Watermelons	670			11,400		27	.10
Corn		8		275		20	.10
Peanuts		54		3,690		35	.06
Hay	70			1,630		25	.10
Other vegetable products: Miscellaneous		1	1	220	220	11	.15
Textiles			25		9,530		
Cotton, Sea-Island		2		1,680		24	.125
Cotton, upland		23		7,850		47	.125
Wood and paper			2,602		19,706		
Logs, floated	1,764			14,116		36	.025
Shingles		1		165		56	.50
Wood	825			5,100		17	.20
Lumber	10			125		60	.0417
Crossties	2			200		60	.0417
Nonmetallic minerals			2,308		6,978		
Coal	4			66		8	.30
Gravel	2,304			6,912		64	.08
Machinery and vehicles	3		3	300	300	60	.0417
Unclassified: General merchandise		10	10	100	100	60	.0417
Total	5,748	3,211	8,959		229,191		
SHIPMENTS, INTERNAL.							
Vegetable food products			360		21,221		
Hay	10			200		60	.04
Oats		78		2,825		60	.04
Flour		8		850		37	.20
Corn		29		950		32	.20
Cottonseed hull and meal		34		900		54	.15
Rice		60		8,080		37	.10
Vegetables, miscellaneous		73		2,250		7	.10
Sugar		24		2,562		47	.15
Potatoes		33		1,870		55	.20
Soft drinks		10		659		15	.15
Peanuts		1		75		27	.20
Other vegetable products: Tobacco		2	2	3,610	3,610	22	.20
Wood and paper: Lumber	386		386	8,427	8,427	67	.15

[1] Own boat.

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CHARLESTON HARBOR, S. C.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTERNAL—contd.						*Miles.*	
Nonmetallic minerals			7,950		$26,319		
Lime		17		$248		56	$0.08
Gasoline	71			3,752		67	.10
Coal	348			2,919		113	.20
Stone	2,000			4,000		120	.10
Cement		373		6,501		109.6	.10
Brick	47			260		117	.04
Kerosene		78		2,751		7	.10
Gravel	3,000			2,600		120	10
Sand	2,000			3,000		120	.10
Salt	16			288		34	10
Machinery and vehicles	1,002		1,002	80,200	80,200	53	.05
Chemicals: Fertilizer	989		989	33,615	33,615	27	.10
Unclassified: General merchandise		293	293	10,700	10,700	78	.10
Total	9,869	1,113	10,982		184,092		

CARGOES IN TRANSIT.

Classes.	Amount in short tons by classes.	Value by classes.
Animals and animal products	457	$127,136
Vegetable food products	57,815	4,033,988
Other vegetable products	13	10,400
Textiles	27,872	10,313,514
Wood and paper	27,898	1,457,050
Nonmetallic minerals	10,801	117,593
Ores, metals, and manufactures of	4,068	867,220
Machinery and vehicles	10	10,000
Chemicals	37,013	1,445,870
Unclassified: Miscellaneous	413,272	44,171,200
Total	579,219	$62,553,971

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CHARLESTON HARBOR, S. C.—continued.

SUMMARY.

Classes and commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	123	$5,047	30	$18,797	6,905	$1,145,200	324	$47,318	7,382	$1,216,362
Vegetable food products	20	1,006	4,145	142,241	25,960	2,717,273	11,406	460,002	41,531	3,320,522
Other vegetable products	1	6,202	513	2,879,759	.....	.....	4	5,030	518	2,890,991
Textiles	6,850	113,918	21,766	4,690,503	58,418	22,427,555	15,987	5,596,741	103,021	32,828,717
Wood and paper	1,299	69,378	1,026	14,937	131,905	1,162,585	37,417	503,207	171,647	1,750,107
Nonmetallic minerals	3,401	966,288	486,913	3,204,213	400,217	7,147,228	22,064	230,030	912,595	11,547,759
Ores, metals, and manufactures	74	3,104	3	6,638	1,967	167,195	.....	.....	2,044	176,937
Machinery and vehicles	.....	.....	11	118,174	99	146,000	10,665	9,698,500	10,775	9,962,674
Chemicals	38,340	2,130,502	3	596	72,529	2,841,460	3,390	118,365	900,448	5,090,923
Unclassified	1	3,751	11	727	90,458	66,032,471	55,016	19,690,600	145,631	85,727,549
Total	50,109	3,299,196	514,421	11,076,585	788,458	103,728,968	156,273	36,349,793	1,509,261	154,454,542

General ferry, 19,507 short tons, valued at $478,500.

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CHARLESTON HARBOR, S. C.—continued.

Vessel classification, 1921.

Class.	American ships.	Foreign ships.	Total.	Net registered tonnage.	Passengers.
REGISTERED.					
Steamers:					
Foreign trade, in	332	63	395	1,267,542	.....
Foreign trade, out	325	62	387	1,249,765	.....
Sailing:					
Foreign trade, in	29	1	30	18,345	.....
Foreign trade, out	30	1	31	19,226	.....
Barges:					
Foreign trade, in	11	.....	11	23,602	.....
Foreign trade, out	10	.....	10	21,642	.....
UNREGISTERED.					
Steamers:					
Clyde line [1]	754	.....	754	2,122,874	1,956
Other coastwise, in [2]	100	.....	100	314,805	.....
Other coastwise, out [2]	99	.....	99	312,429	.....
Sailing:					
Coastwise, in	25	.....	25	13,256	.....
Coastwise, out	24	.....	24	12,620	.....
Barges:					
Coastwise, in	2	.....	2	1,764	.....
Coastwise, out	1	.....	1	1,014	.....
Small boats and ferry	5,726	.....	5,726	688,562	461,106
SUMMARY.					
Total steamers	1,610	125	1,735	5,267,415	1,956
Total sailing	108	2	110	63,456	.....
Total barges	24	.....	24	48,022	.....
Small boats and ferry	5,726	.....	5,726	688,562	461,106

[1] The Clyde line runs a regular schedule of coastwise boats.
[2] Some coastwise trade was done by steamers which were at times under registry.

WAPPOO CUT, S. C.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1896	272,000	$2,410,000	(1)	1915	16,420	$842,331	13,458
1899	235,830	2,005,695	(1)	1916	22,583	767,442	15,390
1900	158,849	2,531,899	(1)	1917	30,125	1,379,809	14,676
1901	177,320	2,732,600	(1)	1918	38,868	2,282,601	29,802
1902	143,165	2,637,481	(1)	1919	7,591	972,072	18,740
1903	153,594	2,682,115	(1)	1920	9,304	455,754	16,324
1904	200,712	2,639,560	(1)	1921	20,683	762,792	10,559
1905	186,053	2,929,893	(1)				

[1] No record.

No record for missing years.

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WAPPOO CUT, S. C.—continued.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
						Miles.	
Animals and animal products:							
Poultry		1	1	$375	$375	26	$0.06
Vegetable food products			47		4,040		
Cottonseed hull and meal		4		60		8	.30
Rice		12		1,280		10	.40
Sugar		14		1,695		17	.16
Potatoes		3		170		8	.30
Soft drinks		9		594		17	.15
Oats		4		145		8	.30
Flour		1		96		6	.30
Wood and paper: Lumber	413		413	6,223	6,223		
Nonmetallic minerals			2,062		9,877		
Salt		11		188		22	.15
Coal	30			393		12	.15
Kerosene		18		651		4	.08
Cement		66		1,127		28	.15
Gasoline		33		1,806		37	.11
Gravel		1,904		5,712		64	.10
Machinery and vehicles	700		700	70,000	70,000	24	.06
Chemicals: Fertilizer	2,683		2,683	92,919	92,919	2	.10
Unclassified: General merchandise		50	50	9,495	9,495	22	.06
Total	3,826	2,130	5,956		192,929		
SHIPMENTS, INTERNAL.							
Animals and animal products			183		13,242		
Cattle	103			6,718		36	.06
Clams		1		47		40	.11
Oysters	54			2,700		15	.06
Eggs		1		360		111	.10
Hogs	24			3,417	428,251	22	.22
Vegetable food products	70			1,630		25	.10
Oats	50		7,156	1,822		16	.15
Peanuts		43		3,060		25	.10
Flour		58		30,488		18	.10
Corn		141		4,550		18	.10
Cottonseed hull and meal		19		493		5	.10
Wheat		10		787		14	.15
Rice		97		9,732		41	.10
Vegetables		5,230		320,494		16	.15
Potatoes		778		44,095		23	.10
Watermelons	660			11,100		27	.10
Textiles			60		22,050		
Cotton, Sea Island		2		1,680		24	.125
Cotton, upland		58		20,370		5	.10
Wood and paper			1,085		19,231		
Logs, floated	260			14,116		36	
Wood	825			5,115		17	.05
Nonmetallic minerals			5,993		12,089		
Coal	4			66		8	.30
Lime		2		48		34	.08
Sand	5,987			11,975		34	.08
Unclassified: General merchandise	250		250	75,000	75,000	10	.24
Total	8,287	6,440	14,727		569,863		

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WAPPOO CUT, S. C.—continued.

SUMMARY.

Classes and commodities.	Other domestics.	
	Tons.	Value.
Animals and animal products	184	13,617
Vegetable food products	7,203	432,291
Textiles	60	22,050
Wood and paper	1,498	25,454
Nonmetallic minerals	8,055	21,966
Machinery and vehicles	700	70,000
Chemicals	2,683	92,919
Unclassified	300	84,495
Total	20,683	762,792

Vessel classification, 1921.

Class.	Number.	Net registered tonnage.	Passengers.
Launches and small boats	3,200	22,400	10,559

BLACK RIVER, S. C.

COMPARATIVE STATEMENT OF TRAFFIC.

This river is not under improvement, and there is no record of commerce previous to the year 1920.

Year.	Tons.	Value.
1920	7,076	$567,645
1921	4,213	547,858

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	
Animals and animal products			5		$3,053		
Eggs		3		$1,053		40	$0.075
Fish, fresh	2			2,000		40	.075
Vegetable food products			567		17,030		
Cottonseed hull and meal		485		14,550		40	.075
Potatoes, Irish and sweet		2		153		15	.075
Watermelons	7			175		40	.075
Corn		5		180		40	.075
Hay	68			1,972		40	.075
Other vegetable products			204		24,480		
Turpentine, spirit		81		16,380		40	.075
Rosin		123		8,100		40	.075
Textiles: Cotton, upland		1,156	1,156	402,687	402,687	40	.075

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BLACK RIVER, S. C.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL—contd.						Miles.	
Wood and paper			254		$2,200		
Wood	75			$200		20	(1)
Lumber	179			2,000		70	$0.03
Unclassified: Miscellaneous merchandise		90	90	9,000	9,000	40	.075
Total	331	1,945	2,276		458,450		
SHIPMENTS, INTERNAL.							
Animals and animal products:							
Hogs	1		1	185	185	40	.075
Vegetable food products			219		17,128		
Hay	30			870		40	.075
Rice		29		2,928		40	.075
Sugar		27		2,997		40	.075
Potatoes, Irish and sweet		54		3,059		74	.075
Soft drinks		2		158		15	.075
Corn		1		45		40	.075
Oats		5		203		40	.075
Flour		71		6,868		40	.075
Wood and paper: Logs, floated	16		16	133	133	5	
Nonmetallic minerals			411		14,462		
Lime		11		230		40	.075
Salt		31		535		40	.075
Stone	60			210		40	.075
Kerosene		92		3,220		40	.075
Cement		38		646		40	.075
Gasoline		179		9,621		40	.075
Chemicals: Fertilizer	1,100		1,100	38,500	38,500	40	.075
Unclassified: Miscellaneous merchandise		190	190	19,000	19,000	40	.075
Total	1,207	730	1,937		89,408		

[1] Own vessel.

SUMMARY.

Classes and commodities.	Domestics.	
	Tons.	Value.
Animals and animal products	6	$3,238
Vegetable food products	786	34,158
Other vegetable products	204	24,480
Textiles	1,156	402,687
Wood and paper	270	2,333
Nonmetallic minerals	411	14,462
Chemicals	1,100	38,500
Unclassified	280	28,000
Total	4,213	547,885

Vessel classification, 1921.

Class.	Number.	Net registered tonnage.
Launches and small boats	116	812

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SAVANNAH, GA., DISTRICT.

SAVANNAH HARBOR, GA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated logs and lumber.		Freight in transit.		Other traffic across river.	
				Tons.	Value.	Tons.	Value.	Tons.	Value.
1895	2,000,000	(1)							
1896	1,850,056	$147,000,000							
1897	2,100,000	(1)							
1898	1,500,000	(1)							
1899	2,837,076	(1)							
1900	2,804,061	57,428,217							
1901	2,843,261	158,495,188							
1902	3,232,909	175,271,911							
1903	2,928,026	173,275,346							
1904	3,230,346	193,820,760							
1905	3,729,841	201,930,693							
1906	3,801,049	194,836,773							
1907	3,885,434	209,018,494							
1908	3,899,361	167,941,267							
1909	2,767,622	186,701,147							
1910	2,920,060	224,512,440							
1911	2,954,814	246,678,077							
1912	3,120,676	296,444,106							
1913	3,154,089	360,536,275							
1914	2,478,535	349,193,325							
1915	2,890,130	420,088,304	102,929	(1)		(1)			
1916	2,748,898	383,225,968	137,375	(1)		(1)			
1917	2,429,288	478,211,950	101,344	(1)		(1)			
1918	1,540,057	479,235,230	112,058	(1)		(1)			
1919	1,714,292	597,109,148	105,495	22,035	$218,132	305,462	$51,435,110	(1)	(1)
1920	2,147,978	608,332,823	115,200	19,195	285,328	827,684	234,637,016	34,989	$25,857,750
1921	1,545,906	361,742,508	137,234	38,078	213,461	599,623	77,325,023	25,869	15,521,400

[1] No statistics available.

Freight traffic, 1921.

[Navigation season: The entire calendar year.]

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products		2		$2,080
Animals			$30	
Leather	2		2,050	
Vegetable food products		89,739		6,067,013
Molasses	5,225		12,414	
Potatoes, sweet	375		11,447	
Peanuts	1,586		170,115	
Sugar	82,545		5,871,466	
Other vegetable food products	8		1,571	
Other vegetable products		26		5,640
Seeds	19		3,048	
Tobacco	7		2,592	
Textiles		2,525		337,684
Burlaps	2,517		333,623	
Other textiles	8		4,061	
Wood and paper		13,410		44,357
Paper	78		5,531	
Shingles	13,332		38,826	
Nonmetallic minerals		29,532		150,149
Fuller's earth	1,680		16,001	
Oil, crude	23,848		111,723	
Sulphur ore	3,994		18,799	
Other nonmetallic minerals	10		3,626	

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SAVANNAH HARBOR, GA.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Ores, metals and manufactures		5		$4,805
Wire	2		$1,572	
Other metals and manufactures	3		3,233	
Chemicals		78,656		1,284,174
Calcamine cyanamid	551		1,160	
Guano	84		6,714	
Kainit	13,923		263,588	
Manure salts	6,729		201,581	
Phosphate rock	10,299		337,283	
Nitrate of potash	23,560		339,291	
Oil, dead	19,360		60,000	
Salt	3,445		10,073	
Sulphate potash	561		47,892	
Other chemicals	144		16,592	
Unclassified		16		11,625
Toys	6		6,376	
Other unclassified goods	10		5,249	
Total imports		213,911		7,957,537
EXPORTS.				
Animals and animal products		174		45,267
Milk, condensed and evaporated	101		28,470	
Fish	42		6,236	
Hides	16		2,700	
Stearine	15		7,800	
Other animal products			61	
Vegetable food products		70,473		3,769,532
Cottonseed cake and meal	43,668		1,647,767	
Other meal	11,301		472,661	
Cottonseed oil	5,478		731,902	
Other vegetable oils	51		8,094	
Peanuts	262		28,728	
Sugar	9,660		874,188	
Wheat flour	39		4,562	
Other vegetable food products	14		1,630	
Other vegetable products		48,340		2,481,404
Rosin	41,293		1,287,976	
Turpentine	6,922		1,143,606	
Tobacco	124		49,622	
Seeds	1		200	
Textiles		169,058		50,534,110
Cotton	164,823		50,178,199	
Mill waste	1,802		65,623	
Linters	2,132		128,736	
Cotton factory products	237		86,644	
Oil cloth	64		74,733	
Other textiles			175	
Wood and paper		23,998		813,474
Lumber	22,757		631,434	
Wood manufactures	905		140,406	
Wood pulp	304		39,221	
Paper	32		2,413	
Nonmetallic minerals		22,166		186,451
Brick	11,338		96,534	
Coke	224		3,492	
Coal	10,258		82,230	
Oil volatile	30		3,120	
Oil lubricating	6		600	
Sand	310		475	
Ores, metals and manufactures		1,186		64,506
Iron, scrap	518		10,360	
Manufactured iron and steel	652		51,752	
Lead	15		2,104	
Other metals and manufactures	1		290	
Machinery and vehicles		616		125,015
Automobiles	2		2,042	
Machinery	614		122,973	
Chemicals		1,752		57,887
Fertilizer	1,440		30,961	
Soap	220		22,152	
Soda ash	92		4,774	

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SAVANNAH HARBOR, GA.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Unclassified		262		$58,598
Babbitt metal	34		$15,250	
Sponges	140		22,612	
Other unclassified traffic	88		20,736	
Total exports		338,025		58,136,244
Total exports and imports		551,936		66,093,781

Freight traffic was maintained during the entire calendar year 1921 between Savannah and ports of the United Kingdom and the Continents of Europe and Asia, as well as Cuba, Mexico, and countries of South America.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products			8,941		$8,510,430
Canned goods		5,000		$1,000,000	
Packinghouse products		497		124,250	
Shoes and leather		3,444		7,386,180	
Vegetable food products			57,530		6,703,125
Beans		1,203		144,360	
Canned goods		11,779		2,355,800	
Flour		13,728		1,510,080	
Fruits and vegetables		208		44,800	
Grain		3,471		138,840	
Lemons		33		1,650	
Onions		581		58,100	
Peanuts		2,240		241,920	
Potatoes		658		39,480	
Sugar		23,629		2,158,095	
Other vegetable products			740		805,283
Naval stores		34		2,244	
Tobacco		663		795,600	
Turpentine		43		7,439	
Textiles			7,380		13,318,692
Bagging		659		97,532	
Cotton		778		229,510	
Dry Goods		5,733		12,899,250	
Wool		210		92,400	
Wood and paper			3,134		139,442
Lumber	1,520			24,320	
Lumber products		783		46,980	
Paper		831		68,142	
Nonmetallic minerals			290,174		23,933,812
Coal	8,124			96,544	
Fuller's earth		4		40	
Gasoline		50,958		7,643,700	
Oil, crude	180,766			12,568,228	
Oil, refined	22,460			1,953,400	
Oil, lubricating		3,623		362,300	
Sand	5,399			8,000	
Sulphur	18,840			1,301,600	
Ores, metals and manufactures of: Iron and steel	19,756		19,756	1,481,700	1,481,700
Machinery and vehicles			603		190,200
Machinery		139		27,800	
Wagons and carriages		464		162,400	

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SAVANNAH HARBOR, GA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE—continued.					
Chemicals			17,143		$633,395
Fertilizer		13,467		$466,215	
Phosphate rock		606		10,980	
Soda, nitrate		2,800		140,000	
Sulphate potash		270		16,200	
Unclassified: General merchandise		189,869	189,869	113,816,400	113,816,400
Total receipts, coastwise	256,865	338,405	595,270	169,532,479	169,532,479
SHIPMENTS, COASTWISE.					
Animal and animal products			3,032		954,766
Canned goods		2,381		780,950	
Lard		261		78,300	
Packinghouse products		382		95,500	
Shells		8		16	
Vegetable food products			6,658		602,546
Beans		103		12,360	
Fruit and vegetables		518		82,880	
Grain		2,606		104,240	
Groceries		25		1,750	
Oil, vegetable		1,216		164,884	
Peanuts		2,146		231,768	
Sugar		44		4,664	
Other vegetable products			57,183		3,601,842
Naval stores		1,329		87,714	
Pine oil		91		7,280	
Rosin		43,136		1,338,399	
Tar		101		2,121	
Turpentine		12,526		2,166,328	
Textiles			45,929		53,791,995
Cotton		24,951		7,360,545	
Cotton factory products		449		404,100	
Dry goods		20,439		45,987,750	
Wool		90		39,600	
Wood and paper			74,327		642,928
Lumber	74,034			638,548	
Lumber products		293		4,380	
Nonmetallic minerals			23,995		277,989
Brick	78			468	
Clay	16,726			159,733	
Fuller's earth	1,742			13,613	
Oils, lubricating		699		69,900	
Stone, crushed	270			675	
Sulphur	4,480			33,600	
Ores, metals, and manufactures			3,834		170,047
Iron and steel	2,599			132,997	
Pig iron	1,235			37,050	
Machinery and vehicles: Machinery		245	245	49,000	49,000
Chemicals			4,036		207,375
Fertilizer		757		26,495	
Ocher		24		9,600	
Paint		23		4,600	
Soda, nitrate		2,780		139,560	
Sulphur, potash		452		27,120	
Unclassified: General merchandise		106,485	106,485	63,910,800	63,910,800
Total	101,164	224,560	325,724		124,209,288
Total receipts and shipments, coastwise	358,029	562,965	920,994		293,741,767

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SAVANNAH HARBOR, GA.—continued.

Coastwise traffic extended throughout the entire calendar year 1921. Regular steamship lines are established between this port and New York, Boston, Philadelphia, Baltimore, and Jacksonville. During the calendar year they carried 920,994 short tons of freight, valued at $293,741,767. They also handled in and out of Savannah 36,855 passengers.

LOCAL.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS.						*Miles.*
Animal and animal products			13,876		$179,085	
Canned goods		5,527		$121,526		9
Fish and oysters		224		38,700		12
Oyster shell	8,125			18,859		9
Vegetable food products			149		7,430	
Hay		30		425		3
Peas		2		180		3
Potatoes		100		6,000		6
Rice		17		825		3
Other vegetable products			57		2,761	
Rosin		50		1,550		4
Turpentine		7		1,211		4
Textiles: Cotton		5	5	2,000	2,000	9
Wood and paper			4,614		45,940	
Lumber	2,251			36,496		4
Wood, pulp	2,363			9,444		6
Nonmetallic minerals: Sand	39,000		39,000	19,500	19,500	5
Unclassified: General merchandise		446	446	126,200	126,200	6
Total	51,739	6,408	58,147	382,916	382,916	
SHIPMENTS.						
Animals and animal products: Meat		24	24	7,680	7,680	4
Vegetable food products			1,395		99,026	
Feed		457		16,000		4
Grits and meal		260		12,480		6
Hay		20		400		4
Rice		52		4,160		5
Sugar		606		65,986		5
Other vegetable products: Turpentine		40	40	8,620	8,620	
Textiles			37		120,750	
Cotton bags		7		750		9
Dry goods		30		120,000		9
Wood and paper: Lumber	250		250	5,300	5,300	9
Nonmetallic minerals			7,791		47,845	
Brick	15			180		9
Coal	448			2,600		9
Oil, refined		328		34,565		6
Sand	7,000			10,500		9
Ores, metals, and manufactures			1,900		349,000	
Firearms		500		325,000		9
Iron and steel	1,400			24,000		9
Machinery and vehicles: Machinery		10	10	450	450	9
Chemicals			282		10,700	
Fertilizer		262		10,300		6
Salt		20		400		9
Unclassified			3,100		874,673	
Ice		260		1,820		9
General merchandise		2,840		872,853		8
Total shipments	9,113	5,716	14,829	1,524,044	1,524,044	
Total receipts and shipments, local	60,852	12,124	72,976		1,906,960	

Local traffic consisted of freight and passengers handled by numerous small steamers, schooners, launches, and small sailboats, plying between Savannah and adjacent ports along the waterways and rivers of the district. Floated logs are not included. Amount, 100,379 passengers were handled locally during the year.

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SAVANNAH HARBOR, GA.—continued.

CARGOES IN TRANSIT.

Classes and commodities.	Commodities.		Classes.	
	Amount in short tons.	Value.	Amount in short tons.	Value.
Animals and animal products			10,036	$984,580
Bones and hoofs	4,173	$83,460		
Canned goods	2,139	363,630		
Fish meal	399	11,970		
Glue stock	161	8,050		
Hides and leather	685	116,020		
Lard	776	186,240		
Oils and grease	1,009	100,900		
Packing-house products	262	65,500		
Shell	361	3,610		
Other animal products	71	45,200		
Vegetable food products			93,927	10,070,696
Beans	2,067	248,040		
Canned goods	19,481	3,707,290		
Coffee	605	181,500		
Coconuts	275	13,750		
Fruit and vegetables	2,359	408,175		
Flour	8,233	905,630		
Grain	4,734	189,360		
Glucose	1,121	44,840		
Lemons	784	39,200		
Meal	247	11,115		
Oils	506	66,792		
Onions	1,002	100,200		
Seeds (oil)	454	171,600		
Sugar	17,729	1,879,274		
Wheat	32,099	1,604,950		
Other vegetable food products	2,231	498,980		
Other vegetable products			43,307	6,264,944
Dyewoods	735	44,100		
Naval stores	346	34,935		
Rosin	27,444	847,387		
Rubber	294	91,500		
Tobacco	8,599	4,253,900		
Turpentine	5,686	983,678		
Other vegetalble products	203	9,444		
Textiles			16,568	5,667,325
Cotton	12,907	3,807,565		
Cotton goods	634	570,600		
Hair	32	16,000		
Hemp	372	119,040		
Wool	2,623	1,154,120		
Wood and paper			34,416	1,946,030
Lumber	27,911	1,512,150		
Lumber products	5,048	326,830		
Paper	684	68,400		
Wood pulp	773	38,650		
Nonmetallic minerals			18,175	1,900,342
Coal	1,562	9,372		
Fuller's earth	2,975	29,750		
Gasoline	5,800	870,000		
Magnesite	1,526	305,200		
Oil, crude	320	11,520		
Oil, refined	3,215	482,250		
Oil, lubricating	915	91,500		
Paraffin	424	84,800		
Portland cement	612	9,792		
Salt	728	2,184		
Other nonmetallic minerals	98	3,974		
Ores, metals and manufactures			79,922	13,472,044
Copper	15,761	9,456,600		
Cast iron	870	43,500		
Lead	1,921	288,150		
Manufactured iron	60,988	3,629,600		
Other ores and metals	382	54,194		
Machinery and vehicles			5,274	1,157,300
Automobiles and parts	82	118,900		
Machinery	5,192	1,038,400		

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SAVANNAH HARBOR, GA.—continued.

CARGOES IN TRANSIT—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
Chemicals			$232,279	$7,215,962
Alcohol	1,161	1,621,920		
Creosote	5,664	158,592		
Fertilizer	2,506	75,180		
Phosphate rock	190,564	3,049,024		
Potassium compounds	6,931	866,375		
Soda compounds	25,186	1,379,671		
Other chemicals	267	65,200		
Unclassified: General merchandise	65,719	28,645,800	65,719	28,645,800
Total			599,623	77,325,023

The above table shows exclusively port-of-call commerce for the calendar year 1921. Besides the tonnage and value reported above, 9,212 passengers were handled through the port.

TRAFFIC ACROSS SAVANNAH RIVER.

Commodities.	Amount in short tons.	Value.	Passengers.
General merchandise	25,869	$15,521,400	78,250

The above traffic consists exclusively of freight handled across Savannah River from the freight terminals of the Seaboard Air Line Railroad on Hutchinson Island to their local freight depot in Savannah, during the calendar year 1921. Approximately 78,250 passengers were ferried across the river to and from work during the year.

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SAVANNAH HARBOR, GA.—continued.

SUMMARY.

Class of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Local.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	2	$2,080	174	$45,267	11,973	$9,465,198	13,900	$186,765	26,049	$9,699,308
Vegetable food products	89,739	6,067,013	70,473	3,769,532	64,188	7,305,671	1,544	106,456	225,944	17,248,672
Other vegetable products	26	5,640	48,340	2,481,404	57,923	4,407,125	97	11,381	106,386	6,905,550
Textiles	2,525	387,684	169,058	50,534,010	53,309	67,110,687	42	122,750	224,934	118,155,131
Wood and paper	13,410	44,367	23,998	813,574	77,461	782,370	4,864	51,240	119,733	1,691,551
Nonmetallic minerals	29,532	150,149	22,166	186,451	314,169	24,211,801	46,791	67,345	412,658	24,615,746
Ores, metals, and manufactures	5	4,805	1,186	64,506	23,590	1,651,747	1,900	349,000	26,681	2,070,058
Machinery and vehicles			616	125,015	848	239,200	10	450	1,474	364,665
Chemicals	78,656	1,284,174	1,752	57,887	21,179	840,770	282	10,700	101,869	2,193,531
Unclassified	16	11,625	262	58,598	296,354	177,727,200	3,546	1,000,873	300,178	178,798,296
Total	213,911	7,957,537	338,025	58,136,244	920,994	293,741,767	72,976	1,906,960	1,545,906	361,742,508

	Short tons.	Value.
General ferry	25,869	$15,521,400
Cargoes in transit	599,623	77,325,023

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SAVANNAH HARBOR, GA.—continued.

List of vessels arriving and clearing.

	Arrived.			Cleared.		
	Number.	Tonnage.	Number of crew.	Number.	Tonnage.	Number of crew.
Coastwise:						
Foreign vessels	97	287,620	4,122	51	129,699	2,026
American vessels	439	1,373,687	24,693	411	1,273,577	23,679
Foreign ports:						
Foreign vessels	63	96,619	1,790	114	259,690	4,029
American vessels	62	128,244	2,077	99	206,544	2,850
Total	661	1,886,170	32,682	675	1,869,500	32,584

Limits of draft of vessels and percentage of tonnage and value of the different classes of traffic.

Class of trade.	Limits of draft.	Percentage of total tonnage.	Percentage of total value.
FOREIGN.			
	Feet.		
Animals and animal products, except wool and hair [1]	15–26		
Vegetable food products, oil seeds, expressed oils and beverages	15–26	29	15
Other vegetable products except fibers and wood	18–26	9	4
Textiles	18–26	31	77
Wood and paper	16–20	7	1
Nonmetallic minerals	18–26	9	1
Ores, metals, and manufactures, except machinery and vehicles [1]	18–26		
Machinery and vehicles [1]	18–26		
Chemicals	18–26	15	2
Unclassified [1]	18–26		
COASTWISE.			
Animals and animal products, except wool and hair	16–20	1	3
Vegetable food products, oil seeds, expressed oils and beverages	16–20	7	2
Other vegetable products, except fibers and wood	16–20	6	1
Textiles	16–20	5	23
Wood and paper	16–20	8	
Nonmetallic minerals	16–20	34	9
Ores, metals, and manufactures, except machinery and vehicles	16–20	5	1
Machinery and vehicles [1]	16–20		
Chemicals [1]	16–20	2	
Unclassified	16–20	32	61
LOCAL.			
Animals and animal products, except wool and hair	2–8	19	9
Vegetable food products, oil seeds, expressed oils and beverages	2–8	2	6
Other vegetable products, except fibers and wood [1]	2–8		1
Textiles [1]	2–8		6
Wood and paper	2–8	7	3
Nonmetallic minerals	2–8	64	4
Ores, metals, and manufactures, except machinery and vehicles	2–8	3	18
Machinery and vehicles [1]	2–8		
Chemicals [1]	2–8		1
Unclassified	2–8	5	52

[1] Less than one half 1 per cent in tonnage and value.

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SAVANNAH RIVER, BELOW AUGUSTA, GA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floating logs.		Total.	
				Tons.	Value.	Tons.	Value.
1893	37,000	$3,700,000					
1894	37,000	3,700,000					
1895	38,930	3,749,850					
1896	40,000	4,000,000					
1897	48,000	1,730,000					
1898	36,875	2,862,015					
1899	34,950	3,500,000					
1900	45,800	2,260,000					
1901	54,600	3,520,000					
1902	55,530	3,353,585					
1903	60,487	6,399,137					
1904	61,353	6,154,521					
1905	55,700	7,850,000					
1906	53,500	5,350,000					
1907	63,013	6,796,530					
1908	48,274	5,425,800					
1909	35,400	5,384,924					
1910	34,470	4,958,200					
1911	40,168	5,628,083					
1912	91,479	2,487,103					
1913	88,460	9,112,702					
1914	72,821	3,508,123					
1915	52,874	4,147,135					
1916	47,345	8,452,322					
1917	41,184	14,297,270					
1918	100,193	11,765,583		21,330	$332,214		
1919	68,180	5,856,275		25,260	270,765		
1920	60,425	46,407		13,711	203,650	74,136	$250,057
1921	47,321	316,690	200	30,078	168,461	77,399	485,151

Freight traffic, 1921.

[Navigation season, entire calendar year.]

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
UPBOUND, INTERNAL.						*Miles.*
Vegetable food products: Sugar		481	481	$50,980	$50,980	200
Wood and paper: Wood, pulp	2,363		2,363	9,444	9,444	2
Nonmetallic minerals:						
Coal	1,424		40,424	8,544	28,044	2
Sand	39,000			19,500		
Unclassified: General merchandise		364	364	155,600	155,600	100
Total	42,787	845	43,632		244,068	
DOWNBOUND, INTERNAL.						
Vegetable food products			90		5,400	
Potatoes		90		5,400		22
Rosin		50		1,550		
Turpentine		7		1,211		
Other vegetable products			57		2,761	22
Wood and paper: Wood pulp	3,415		3,415	13,661	13,661	50
Unclassified: General merchandise		127	127	50,800	50,800	100
Total	3,415	274	3,689		72,622	
Total upbound and downbound			47,321		316,690	

Imports and exports of sugar over the lower 2 miles of the river, 117,078 short tons, valued at $11,293,872, are reported under Savannah Harbor.

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SAVANNAH RIVER, BELOW AUGUSTA, GA.—continued.

SUMMARY.

Classes of commodities.	Tons.	Value.	Floated logs.	
			Tons.	Value.
Vegetable food products	571	$56,380	.....	.....
Other vegetable products	57	2,761	.....	.....
Wood and paper	5,778	23,105	30,078	$168,461
Nonmetallic minerals	40,424	28,044	.....	.....
Unclassified	491	206,400	.....	.....
Total	47,321	316,690	30,078	168,461

Vessel classification, 1921.

Class of traffic.	Limits of draft.
	Feet.
Wood and paper	2–4
Nonmetallic minerals	2–4
General merchandise	2–6

A regular weekly freight and passenger service was opened up September 15, 1921, between Savannah and Augusta and local points and continued throughout the calendar year.

SAVANNAH RIVER, ABOVE AUGUSTA, GA.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1895	(1)	$350,000	1910	1,830	$162,290
1897	1,500	(1)	1911	1,635	145,100
1898	2,500	116,000	1912	3,244	206,480
1899	5,570	199,310	1913	1,733	79,112
1900	3,192	155,000	1914	7,772	133,000
1901	2,120	146,450	1915	8,643	77,182
1902	2,940	196,997	1916	3,994	111,761
1903	2,514	212,887	1917	2,494	113,923
1904	1,094	119,802	1918	3,560	235,659
1905	2,351	206,621	1919	2,876	163,650
1906	1,416	185,000	1920	3,937	98,157
1907	3,983	(1)	1921	323	21,422
1908	2,995	169,780			

[1] No statistics available.

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SAVANNAH RIVER, ABOVE AUGUSTA, GA.—continued.

Freight traffic, 1921.

[Navigation season, entire calendar year.]

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
Upbound, internal:						*Miles.*
Vegetable food products: Feed	.....	1	1	$35	$35	21
Chemicals: Fertilizer	.....	16	16	800	800	21
Unclassified: General merchandise	.....	11	11	4,800	4,800	21
Total	.....	28	28	5,635	5,635	.....
Downbound, internal:						
Animals and animal products: Fish	.....	1	1	150	150	21
Other vegetable products: Cotton seed	.....	19	19	665	665	21
Textiles: Cotton	.....	40	40	11,800	11,800	21
Wood and paper	.....	.....	233	.....	2,372	21
Lumber	120	.....	.....	1,920	.....	.....
Wood	113	.....	.....	452	.....	.....
Unclassified: General merchandise	.....	2	2	800	800	21
Total	233	62	295	.....	15,787	.....
Total upbound and downbound	233	90	323	.....	21,422	.....

Vessel classification, 1921.

No regular schedules were maintained on this part of the river during the year. Small boats from 2 to 4 feet draft made intermittent trips from Augusta to the head of Savannah River pond of the Georgia-Carolina power dam. The lock of Georgia-Carolina power dam at Stevens Creek was opened 71 times during the year.

SUMMARY.

Classes of commodities.	Tons.	Value.	Classes of commodities.	Tons.	Value.
Animals and animal products	1	$150	Chemicals	16	$800
Vegetable food products	1	35	Unclassified	13	5,600
Other vegetable products	19	665			
Textiles	40	11,800	Total	323	21,422
Wood and paper	233	2,372			

WATERWAY BETWEEN BEAUFORT, S. C., AND ST. JOHNS RIVER, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Floated logs.		Total.		Passengers.
			Tons.	Value.	Tons.	Value.	
1914	230,289	$6,541,849	.....	.....	.....	.....	.....
1915	278,615	5,976,710	.....	.....	.....	.....	.....
1916	222,597	8,684,131	4,070	$37,715	226,667	$8,721,846	.....
1917	126,445	5,557,563	5,600	84,000	132,045	5,641,503	.....
1918	204,768	13,950,565	44,072	396,670	248,840	14,347,234	56,500
1919	213,548	12,277,900	9,447	141,600	212,995	12,419,500	77,716
1920	218,006	11,500,500	33,406	781,000	251,412	12,281,500	111,000
1921	216,520	8,165,400	49,588	309,300	266,108	8,474,700	157,324

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WATERWAY BETWEEN BEAUFORT, S. C., AND ST. JOHNS RIVER, FLA.—continued.

Navigation season extended throughout the year. Two steamboats of about 7 feet draft operated regularly between Savannah and Beaufort and one between Savannah and Bluffton. In addition small motor boats and tugs made intermittent trips over this section of the waterway. A semiweekly schedule was maintained between Brunswick and Fernandina by a wooden steamboat of about 7½ feet draft, and a daily schedule was maintained by a similar vessel between Brunswick and St. Simons Island, and also three trips to Darien, per week until September 1. Two boats of similar type and draft operated in the vicinity of Savannah and a large number of wooden barges of about 6 feet draft, towed by gasoline launches and steam tugs, transported naval stores, crossties, lumber and rafts of lumber to Brunswick, Darien, Savannah and other points via the inside route. Fleets of gasoline launches made extensive use of this waterway in connection with the shrimp, oyster, and fish industries. Numerous other small launches and yachts varying in tonnage from 10 to 100 passed over this waterway en route to Florida and return. About 50 motor boats of light draft operated between Savannah and Tybee via the inside route and Cowhead River. No regular schedule was maintained over the Fernandina to St. Johns River division of this waterway; however, a number of wooden barges of about 6 feet draft, towed by gasoline launches and steam tugs, transported commodities over this waterway. The entire commerce is carried on over the improved section. In addition to the above, 13 schooners and 3 seagoing barges carrying lumber operated coastwise from Kilkenny over St. Catherines Bar, with draft of 15 and 16 feet.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Ton-miles.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, COASTWISE.						*Miles.*	
Wood and paper: Lumber	17,212	156	17,368	$278,800	$278,800		
RECEIPTS, LOCAL.							
Animals and animal products			26,533		679,100	9	258,095
Canned goods		315		88,500			
Oysters		8		1,100			
Fish		2		300			
Bacon		24		7,700			
Shrimp	2,269			136,300			
Oysters	12,755			311,300			
Oyster shells	11,160			133,900			
Vegetable food products			3,147		661,400	25	78,625
Grain		470		18,800			
Meal		260		12,500			
Feed		457		16,000			
Hay		123		3,600			
Groceries		1,255		501,200			
Flour		110		11,000			
Sugar		160		18,500			
Rice		52		4,200			
Potatoes		10		600			
Canned goods		250		75,000			
Other vegetable products			408		22,900	20	8,150
Turpentine		64		11,000			
Tobacco		1		1,500			
Rosin		343		10,400			
Textiles			187		425,300	21	4,050
Dry goods		182		424,500			
Burlap bags		5		800			
Wood products			61,068		833,800	33	2,026,369
Lumber	27,781			529,600			
Logs, floated	18,008			170,000			
Piling	11,000			65,000			
Timber	1,400			21,000			
Shingles		7		100			
Crossties	2,872			48,100			

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WATERWAY BETWEEN BEAUFORT, S. C., AND ST. JOHNS RIVER, FLA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Ton-miles.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, LOCAL—continued.						*Miles.*	
Nonmetallic minerals			9,196		$96,000	34	314,200
Cement		20		$300			
Coal	1,248			12,400			
Salt		20		400			
Sand	7,125			10,700			
Lubricating oil		52		5,200			
Illuminating oil		119		9,500			
Gasoline		612		57,500			
Ores, metals and manufactures of: Tin cans		1,769	1,769	56,100	56,100	40	71,560
Machinery and vehicles			21		15,500	29	610
Machinery		20		10,500			
Autos		1		5,000			
Chemicals: Fertilizer		291	291	10,600	10,600	21	6,320
Unclassified		2,047	3,617	377,300	711,400	21	78,070
Ammunition		500		325,000			
Ice		1,070		9,100			
Total	95,618	10,619	106,237	3,512,100	3,512,100		2,846,049
SHIPMENTS, LOCAL.							
Animals and animal products			22,491		1,170,100	28	633,845
Canned goods		1,249		328,300			
Hides		4		800			
Oysters, canned		5,420		239,100			
Boots and shoes		9		22,500			
Fish		234		40,500			
Bacon		33		12,800			
Shrimp	5,917			409,700			
Live stock	6			1,000			
Oyster shells	9,619			115,400			
Vegetable food products			2,534		206,300	34	87,295
Grain		1,048		42,900			
Feed		263		9,100			
Hay		269		8,900			
Canned vegetables		72		14,700			
Groceries		114		45,600			
Fruits and vegetables		165		26,400			
Flour		304		32,600			
Sugar		168		17,200			
Rice		79		6,500			
Grits		52		2,400			
Other vegetable products			5,875		398,000	20	120,975
Turpentine		1,426		246,700			
Tobacco		12		14,400			
Rosin		4,437		136,900			
Textiles			67		60,700	16	1,095
Dry goods		18		40,500			
Cotton		49		20,200			
Wood products			103,075		1,423,200	29	3,026,135
Lumber	27,705			431,700			
Cypress logs	600			12,500			
Logs, floated	31,590			139,300			
Piling	15,135			90,900			
Shingles		22		700			
Empty casks		303		23,000			
Pulp wood	2,363			271,700			
Crossties	24,093			410,000			
Furniture		17		8,000			
Blocks, hardwood	1,257			35,400			
Nonmetallic minerals			2,789		231,700	9	25,175
Cement		37		600			
Coal	260			2,600			
Lubricating oil		116		11,600			
Gasoline		1,944		185,000			
Illuminating oil		350		29,000			
Fuel oil		82		2,900			
Ores, metals: Iron	94		94	27,000	27,000	20	1,920
Machinery and vehicles			530		757,700	20	10,640
Autos	517			752,700			
Wagons	13			5,000			

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WATERWAY BETWEEN BEAUFORT, S. C., AND ST. JOHNS RIVER, FLA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, LOCAL—contd.						*Miles.*	
Chemicals			184		$5,900	67	12,430
Fertilizer		180		$5,800			
Lime		4		100			
Unclassified			4,864	230,600	403,200	67	149,685
Gas drums	50	1,809		7,500			
General merchandise		228		136,800			
Ammunition		1		600			
Ice	2,776			27,700		30	
Total	121,985	20,518	142,503	4,683,800	4,683,800		4,069,195
Total receipts and shipments	217,603	31,137	248,740		8,195,900		6,915,244

These local tables comprise commerce to and from inland ports and waterways and include floated logs, 49,588 tons, value, $309,300.

SUMMARY.

Classes of commodities.	Coastwise.		Local.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			49,024	$1,849,200	49,024	$1,849,200
Vegetable food products			5,681	867,700	5,681	867,700
Other vegetable products	156	$12,000	6,283	420,900	6,439	432,900
Textiles			254	486,000	254	486,000
Wood products	17,212	266,800	164,143	2,257,000	181,355	2,523,800
Nonmetallic minerals			11,985	327,700	11,985	327,700
Ores, metals, and manufactures of			1,863	83,100	1,863	83,100
Machinery and vehicles			551	773,200	551	773,200
Chemicals			475	16,500	475	16,500
Unclassified			8,481	1,114,600	8,481	1,114,600
Total	17,368	278,800	248,740	8,195,900	266,108	8,474,700

SAPELO HARBOR, GA.

Comparative statement of traffic.

Year.	Tons.	Value.	Floated logs.		Total.	
			Tons.	Value.	Tons.	Value.
1909	(1)	$401,412				
1910	(1)	277,500				
1911	(1)	289,228				
1912	29,400	237,900				
1913	51,908	519,090				
1914	51,480	389,941				
1915	7,660	58,955				
1916	23,232	232,317	23,232	$232,317	46,464	$464,634
1917	None.	None.	None.	None.	None.	None.
1918	None.	None.	None.	None.	None.	None.
1919	1,288	25,800	1,288	25,800	2,576	51,600
1920	2,660	45,500	3,460	59,500	6,120	105,000
1921	14,612	232,000	6,000	75,000	20,612	307,000

[1] No statistic available.

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SAPELO HARBOR, GA.—continued.

The navigation season extended throughout the year. The commerce consists entirely of lumber and timber brought in by rafts and lighters over the inside waterway from Darien and shipped foreign and coastwise in vessels from 14 to 20 feet draft using Sapelo entrance.

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Wood products: Lumber [1]	4,166	4,166	$68,000	$68,000

DOMESTIC.

SHIPMENTS, COASTWISE.				
Wood products: Lumber [2]	3,140	3,140	$48,000	$48,000
LOCAL RECEIPTS.				
Wood products: Lumber	7,306	7,306	116,000	116,000
SHIPMENTS, LOCAL.				
Wood products: Logs, floated	6,000	6,000	75,000	75,000
Total receipts and shipments, local	.....	13,306	.....	191,000

[1] The above commerce was shipped from Sapelo to the ports of Liverpool and Antwerp.
[2] The above cargo shipped from Sapelo to Baltimore, Md.

SUMMARY.

Classes and commodities.	Exports.		Coastwise.		Local.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood products	4,166	$68,000	3,140	$48,000	13,306	$191,000	20,612	$307,000

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DARIEN HARBOR, GA.

Comparative statement of traffic.

Year.	Tons.	Value.	Floating logs.		Total.		Passengers.
			Tons.	Value.	Tons.	Value.	
1893	125,000	$1,500,000					
1894	125,000	1,500,000					
1895	125,000	1,500,000					
1896	125,000	1,500,000					
1897	165,000	1,090,000					
1898	250,000	2,500,000					
1899	146,000	920,382					
1900	233,400	1,374,688					
1901	118,834	781,080					
1902	174,528	1,092,561					
1903	176,131	1,154,597					
1904	121,224	917,240					
1905	82,208	722,207					
1906	130,991	1,231,666					
1907	119,903	1,097,612					
1908	3,000	180,000					
1909	4,000	130,000					
1910	3,000	200,000					
1911	2,050	355,622					
1912	3,047	95,500					
1913	133,666	1,536,680					
1914	115,076	1,450,909					
1915	144,515	1,447,408					
1916	30,000	800,000	45,202	$2,391,920	125,402	$3,191,920	11,844
1917	14,800	219,000	16,268	354,403	31,068	573,402	10,900
1918	105,000	1,524,000	33,731	2,066,314	138,731	3,590,314	5,136
1919	30,000	475,000	24,673	1,584,000	54,673	2,059,000	1,000
1920	34,000	850,000	35,246	1,152,600	69,246	2,002,600	21,075
1921	54,389	1,519,500	54,212	542,000	108,601	2,061,500	2,211

The navigation season extended throughout the year. The commerce consisted almost entirely of lumber which was received in the form of rafts from the Altamaha River and reshipped from Darien, Ga., the port of entry. One single-screw wooden steamer of about 7 feet draft made two round trips per week, carrying freight and passengers between Brunswick and Darien, until September 1, when this boat line was discontinued. All coastwise outbound lumber was carried in seagoing barges of 14 to 16 feet draft over Doboy Bar. Local lumber was towed in rafts.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS, COASTWISE.					
Wood products			24,294		$596,800
Lumber	18,294			$548,800	
Piling	6,000			48,000	
Total	24,294		24,294	596,800	596,800
RECEIPTS, LOCAL.					
Animals and animal products			566		53,700
Shrimp	494			29,900	
Canned shrimp		71		21,300	
Boots and shoes		1		2,500	
Vegetable food products			833	2,100	46,700
Feed		60		18,500	
Grain		463		7,200	
Flour		65		2,100	
Sugar		20		4,800	
Hay		150		12,000	
Fruits and vegetables		75			

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DARIEN HARBOR, GA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, LOCAL—continued.					
Other vegetable products: Tobacco		1	1	$1,200	$1,200
Textiles: Dry goods		8	8	18,000	18,000
Wood products			64,104		739,800
Lumber	9,892			197,800	
Logs, floated	54,212			542,000	
Nonmetallic minerals			238		17,300
Coal	30			300	
Lubricating oil		10		1,000	
Illuminating oil		3		200	
Gasoline		149		14,100	
Fuel oil		46		1,700	
Machinery and vehicles			16		22,000
Autos	15			21,700	
Wagons	1			300	
Chemicals: Fertilizer		12	12	500	500
Unclassified			2,755		68,500
Ice	2,300			23,000	
General merchandise		455		45,500	
Total	66,944	1,589	68,533	967,700	967,700
SHIPMENTS, LOCAL.					
Animals and animal products			2,950		135,000
Oyster shells	2,500			30,000	
Canned shrimp		450		105,000	
Vegetable food products			140		13,200
Canned potatoes		35		7,000	
Rice		60		4,800	
Hay		45		1,400	
Other vegetable products			23		1,300
Rosin		19		600	
Turpentine		4		700	
Wood products			12,176		163,500
Lumber	4,170			83,400	
Shingles		6		100	
Piling	8,000			80,000	
Machinery and vehicles			110		146,500
Autos	100			145,000	
Wagons	10			1,500	
Unclassified		375	375	37,500	37,500
Total	14,780	994	15,774	497,000	497,000
Total receipts and shipments, local	81,724	2,583	84,307	1,464,700	1,464,700

These local tables comprise commerce to and from inland ports and waterways, and include floated logs, 54,212 tons, value $542,000. There were 2,211 passengers carried during the year.

SUMMARY.

Classes and commodities.	Coastwise.		Local.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			3,516	$188,700	3,516	$188,700
Vegetable and food products			973	59,900	973	59,900
Other vegetable products			24	2,500	24	2,500
Textiles			8	18,000	8	18,000
Wood products	24,294	$596,800	76,280	903,300	100,574	1,500,100
Nonmetallic minerals			238	17,300	238	17,300
Machinery and vehicles			126	168,500	126	168,500
Chemicals			12	500	12	500
Unclassified			3,130	106,000	3,130	106,000
Total	24,294	596,800	84,307	1,464,700	108,601	2,061,500

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DARIEN HARBOR, GA.—continued.

Arrival and clearance of vessels for Darien, 1921.

Coastwise.	Arrived.			Cleared.		
	Number.	Tonnage.	Crew.	Number.	Tonnage.	Crew.
American	19	24,000	80	19	24,000	80

FANCY BLUFF CREEK, GA.

Comparative statement of traffic.

Year.	Tons.	Value.	Floated logs.		Total.		Passengers.
			Tons.	Value.	Tons.	Value.	
1914	3,606	$150,692					
1915	2,513	84,882					
1916	3,755	69,216	130	$1,300	3,885	$70,516	3,100
1917	1,832	114,091	112	1,680	1,994	115,771	7,560
1918	3,178	193,385	375	3,635	3,553	197,020	3,650
1919	1,339	217,400			1,339	217,400	11,000
1920	2,649	156,000	500	10,000	3,149	166,000	2,500
1921	6,100	175,800	800	12,400	6,900	188,200	2,792

The navigation season extended throughout the year, the commerce being carried on principally by launches. One launch makes a round trip daily and others a round trip weekly. Numerous other miscellaneous launches and light-draft boats used this waterway the entire year. Commerce for the calendar year 1921 follows:

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Ton-miles.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.						*Miles.*	
Animal and animal products			51		$14,700	4	204
Meat		9		$2,100			
Canned goods		42		12,600			
Vegetable food products			227		15,300	4	908
Sugar		40		4,000			
Feed		4		100			
Flour		65		6,500			
Coffee		1		300			
Fruits and vegetables		1		200			
Potatoes		2		100			
Grain		99		3,500			
Grits		6		300			
Hay		9		300			
Textiles: Dry goods		1	1	1,500	1,500	4	4
Wood products: Lumber	150		150	2,800	2,800	4	600
Nonmetallic minerals			28		600	4	112
Gasoline		4		400			
Brick	24			200			
Ores, metals		7	7	600	600	4	28
Chemicals (fertilizer)		30	30	1,700	1,700	4	120
Unclassified		5	5	2,500	2,500	4	20
Total	174	325	499	39,700	39,700		1,996

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FANCY BLUFF CREEK, GA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Ton-miles.
	Bulk.	Package.		By commodities.	By classes.		
DOWNBOUND.						Miles.	
Animal products			9		$300	4	36
Hides		1		$100			
Oysters		8		200			
Vegetable food products		150	152	4,500	4,600	4	608
Potatoes		2		100			
Other vegetable products			1,340	32,500	80,600	4	5,360
Rosin		1,062		48,100			
Turpentine		278					
Wood products			4,837		59,200	4	19,348
Lumber	20			300			
Piling	1,500			9,200			
Logs, floated	800			12,400			
Crossties	2,000			31,300			
Cordwood	487			1,500			
Empty casks		30		4,500			
Unclassified		63	63	3,800	3,800	4	252
Total	4,807	1,594	6,401	148,500	148,500		25,604
Total upbound and downbound	4,981	1,919	6,900	188,200	188,200		27,600

There were 2,792 passengers carried during the year.

SUMMARY.

Classes of commodities.	Local.		Classes of commodities.	Local.	
	Tons.	Value.		Tons.	Value.
Animals and animal products	60	$15,000	Ores, metals	7	$600
Vegetable food products	379	19,900	Chemicals	30	1,700
Other vegetable products	1,340	80,600	Unclassified	68	6,300
Wood products	4,987	62,000			
Textiles	1	1,500	Total	6,900	188,200
Nonmetallic minerals	28	600			

SATILLA RIVER, GA.

Comparative statement of traffic.

Year.	Tons.	Value.	Floating logs.		Total.		Passengers.
			Tons.	Value.	Tons.	Value.	
1912	54,770	$775,550					
1913	121,098	1,742,712					
1914	61,997	797,013					
1915	67,398	723,447					
1916	50,047	980,101	5,527	$53,713	55,574	$1,033,814	2,475
1917	18,276	710,476	9,000	143,000	27,276	853,476	2,000
1918	46,255	2,712,270	30,350	333,042	86,705	3,045,312	1,500
1919	31,544	2,585,300	14,969	268,200	46,513	2,853,500	653
1920	34,677	1,149,100	29,376	273,200	64,053	1,422,300	580
1921	32,049	1,037,600	18,048	122,800	50,097	1,160,400	35

The navigation season extended throughout the year. One single-screw wooden steamer of 7½ feet draft made semiweekly trips, carrying freight and passengers between Brunswick and Burnt Fort. Ocean going barges and schooners of about 17 feet

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SATILLA RIVER, GA.—continued.

draft operated as far as Owens Ferry and intermediate points, where they were loaded with lumber. Rafts, lighters, tugs and launches of light draft operated extensively on the lower portion of this stream.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Ton-miles.
	Bulk.	Package.		By commodities.	By classes.		
COASTWISE, SHIPPED.[1]						*Miles.*	
Lumber products: Lumber	5,000		5,000	$100,000	$100,000		
UPBOUND, LOCAL.							
Animals and animal products			136		51,200	46	6,380
Canned shrimp		126		37,300			
Hides		2		400			
Boots and shoes		5		12,500			
Bacon		3		1,000			
Vegetable food products			1,419		155,200	32	46,090
Grain		350		15,000			
Flour		475		52,200			
Sugar		157		16,600			
Rice		12		1,000			
Hay		42		1,400			
Canned vegetables		210		63,000			
Feed		173		6,000			
Other vegetable products: Tobacco		5	5	6,000	6,000	44	220
Textiles: Dry goods		5	5	11,200	11,200	36	180
Wood products			158		2,800	20	3,160
Lumber	156			2,300			
Furniture		2		500			
Nonmetallic minerals			75		7,500	20	1,500
Lubricating oils		7		700			
Gasoline		68		6,800			
Ores, metals and manufactures of: Hardware		87	87	26,100	26,100	24	2,130
Machinery and vehicles: Machinery		5	5	900	900	20	100
Chemicals: Fertilizer		4	4	100	100	20	80
Unclassified		94	94	6,000	6,000	26	2,480
Total	156	1,832	1,988		267,000		62,320
DOWNBOUND, LOCAL.							
Other vegetable products			5,061		341,800		185,610
Turpentine		1,300		224,900			
Rosin		3,761		116,900			
Wood products			38,030		448,900		1,130,880
Empty casks		303		23,000			
Crossties	2,570			43,200			
Lumber	16,749			259,900			
Logs, floated	18,408			122,800			
Unclassified: Gas drums		18	18	2,700	2,700		360
Total	37,727	5,382	43,109	793,400	793,400		1,316,850
Total upbound and downbound	37,883	7,214	45,097		1,060,400		1,379,170

[1] Above commerce shipped coastwise to the port of New York.

These local tables comprise commerce to and from inland ports and waterways and include floated logs 18,408 tons, value $122,800.

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SATILLA RIVER, GA.—continued.

SUMMARY.

Classes and commodities.	Coastwise.		Local.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			136	$51,200	136	$51,200
Vegetable food products			1,419	155,200	1,419	155,200
Other vegetable products			5,066	347,800	5,066	347,800
Textiles			5	11,200	5	11,200
Wood products	5,000	$100,000	38,188	451,700	43,188	551,700
Nonmetallic minerals			75	7,500	75	7,500
Ores, metals and manufactures of			87	26,100	87	26,100
Machinery and vehicles			5	900	5	900
Chemicals			4	100	4	100
Unclassified			112	8,700	112	8,700
Total	5,000	100,000	45,097	1,060,400	50,097	1,160,400

ST. MARYS RIVER, GA. AND FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Floating logs.		Total.		Passengers.
			Tons.	Value.	Tons.	Value.	
1912	38,206	$587,000					
1913	53,400	1,627,344					
1914	74,038	931,891					
1915	100,894	1,139,717					
1916	11,764	1,317,482	10,000	$140,000	21,764	$1,457,482	2,197
1917	20,351	1,045,753	16,000	260,000	36,351	1,305,753	
1918	64,684	1,771,225	49,752	719,640	114,436	2,490,865	
1919	30,070	1,636,400	9,624	141,200	39,694	1,777,600	1,200
1920	51,673	1,362,400	13,000	180,000	64,673	1,542,400	1,000
1921	29,579	535,120	600	12,500	30,179	547,620	240

The navigation season extended throughout the year. Five seagoing barges of from 18 to 20 feet draft entered and cleared via Fernandina Harbor, carrying cargoes composed entirely of lumber (square round) amounting to 6,000 tons valued at $66,5001 representing approximately 21 per cent in tons and 12 per cent in value of the tota, commerce and depending on the full project depth. One-half of this operated as far as the city of St. Marys and half as far as Kings Ferry, mileage 38. Fleets of gasoline launches operated from St. Marys in connection with the shrimp and fish industries. About 80 per cent of the commerce of this river is carried on from St. Marys situated 6 miles above the mouth of this river.

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ST. MARYS RIVER, GA. AND FLA.—continued.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Ton-miles.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, COASTWISE.[1]						*Miles.*	
Wood products	6,396		6,396	$66,520	$66,520		
UPBOUND.							
Animals and animal products			404		27,300	5	2,070
Shrimp	391			23,400			
Shrimp, canned		13		3,900			
Vegetable food products			591		30,200	7	4,100
Grain		388		15,600			
Flour		7		800			
Canned goods		18		5,400			
Sugar		29		2,900			
Hay		137		4,400			
Rice		7		600			
Feed		4		100			
Groceries		1		400			
Other vegetable products: Tobacco		2	2	2,400	2,400	7	15
Textiles: Dry goods		1	1	2,000	2,000	10	10
Nonmetallic minerals			199		3,700	5	995
Coal	180			1,800			
Gasoline		19		1,900			
Unclassified: Ice	180	5	185	2,300	2,300	5	950
Total	751	631	1,382		67,900		8,140
DOWNBOUND, LOCAL.							
Animals and animals products:							
Canned shrimp		259	259	93,600	93,600	5	1,325
Vegetable food products		75	75	3,000	3,000	30	2,250
Other vegetable products			1,187		61,900	23	27,444
Turpentine		186		32,100			
Rosin		1,001		29,800			
Wood products			20,880		254,700	30	629,680
Lumber	264			4,000			
Cypress logs, floated	600			12,500			
Crossties	8,964			152,400			
Piling	11,052			85,800			
Total	20,880	1,521	22,401	413,200	413,200		660,699
Total upbound and downbound	21,631	2,152	23,783		481,100		668,839
Total upbound and downbound, local and coastwise	28,027	2,152	30,179		547,620		668,839

[1] Above commerce shipped to the port of Baltimore.

These local tables comprise commerce to and from inland ports and waterways and include floated logs 600 tons, value $12,500. There were 240 passengers carried during the year.

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ST. MARYS RIVER, GA. AND FLA.—continued.

SUMMARY.

Classes of commodities.	Coastwise.		Local.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animal and animal products			663	$120,900	663	$120,900
Vegetable food products			666	33,200	666	33,200
Other vegetable products			1,189	64,300	1,189	64,300
Textiles			1	2,000	1	2,000
Wood products	6,396	$36,520	20,880	254,700	27,276	321,220
Nonmetallic minerals			199	3,700	199	3,700
Unclassified			185	2,300	185	2,300
Total	6,396	66,520	23,783	481,100	30,179	547,620

ALTAMAHA RIVER, GA.

Comparative statement of traffic.

Year.	Tons.	Value.	Floated logs.		Total.		Passengers.
			Tons.	Value.	Tons.	Value.	
1893	290,115	$3,591,975					
1894	263,850	3,373,500					
1895	332,240	4,360,900					
1896	332,000	4,000,000					
1897	22,000	540,000					
1898	11,000	1,000,000					
1899	17,000	1,025,000					
1900	15,000	1,025,000					
1901	15,000	1,025,000					
1902	8,857	620,690					
1903	12,630	690,000					
1904	4,500	200,000					
1905	13,000	250,000					
1906	14,000	449,000					
1907	8,500	345,000					
1908	13,700	1,110,000					
1909	41,000	2,295,000					
1910	11,198	796,100					
1911	9,986	676,404					
1912	15,533	1,777,000					
1913	111,415	1,682,987					
1914	103,306	1,896,363					
1915	76,763	967,205					
1916	67,993	1,299,000	16,000	$160,000	83,933	$1,459,000	
1917	15,125	1,063,484	22,500	352,500	37,625	1,415,984	250
1918	16,241	1,649,000	70,396	664,190	86,637	2,313,190	215
1919	112,000	9,638,500	28,682	409,200	140,682	10,047,700	185
1920	38,591	2,237,400	55,561	1,104,000	94,152	3,341,400	210
1921	85,198	2,975,200	54,212	542,000	139,410	3,517,200	

The navigation season extended throughout the year. One stern wheel wooden steamer of 5 feet draft made weekly trips between Doctortown and points above the Forks while another of approximately the same size and type made weekly round trips between Brunswick and points along this river. A large amount of lumber, in part originating on this river and in part from the main streams and tributaries above the Forks was rafted on this waterway to Darien, thence to Sapelo, Brunswick and Savannah. In addition there were numerous gasoline boats which towed lumber and supplies on the lower 10 miles of this river.

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ALTAMAHA RIVER, GA.—continued.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Ton-miles.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.						*Miles.*	
Animals and animal products			874		$134,500	18	16,352
Live stock	130			$35,000			
Shrimp	494			29,900			
Canned shrimp		250		69,600			
Vegetable food products			3,660		264,700	50	182,000
Cotton seed		2,600		140,000			
Hay		210		6,700			
Sugar		250		50,000			
Flour		300		30,000			
Grain		200		8,000			
Canned vegetables		100		30,000			
Other Vegetable products			1,510		72,300	44	66,700
Turpentine		130		22,300			
Rosin		1,375		44,000			
Tobacco		5		6,000			
Textiles: Cotton		125	125	40,000	40,000	40	5,000
Wood products			17,664		399,000	55	982,516
Crossties	11,472			195,100			
Lumber	3,402			78,500			
Oak blocks	1,350			39,000			
Stave bolts	1,440			86,400			
Nonmetallic minerals: Brick	362		362	2,000	2,000	50	18,100
Chemicals: Fertilizer		5,000	5,000	150,000	150,000	40	200,000
Unclassified		65	65	6,000	6,000	45	2,950
Total	18,650	10,610	29,260		1,068,500		1,473,618
DOWNBOUND.							
Animals and animal products			816		214,300	20	16,388
Live stock	130			35,000			
Canned goods		471		111,300			
Canned oysters		200		60,000			
Boots and shoes		1		2,500			
Meat		14		5,500			
Vegetable food products			4,801		369,600	41	199,128
Cotton seed		2,600		140,000			
Hay		400		12,900			
Sugar		302		55,500			
Flour		365		37,200			
Grain		663		26,500			
Fruits and vegetables		75		12,000			
Canned vegetables		100		30,000			
Feed		60		2,100			
Rice		60		4,800			
Potatoes		10		600			
Grits		52		2,400			
Groceries		114		45,600			
Other vegetable products			1,533		74,800	43	66,884
Turpentine		134		23,000			
Rosin		1,393		44,600			
Tobacco		6		7,200			
Textiles			133		57,900	38	5,064
Cotton		125		40,000			
Dry goods		8		17,900			
Wood products			92,457		1,251,700	45	4,275,032
Crossties	12,800			217,600			
Lumber	7,056			143,800			
Oak blocks	2,350			66,900			
Piling	9,945			60,000			
Shingles		6		100			
Logs, floated	54,212			542,000			
Stave bolts	1,440			86,400			
Hardwood logs	4,648			134,900			
Nonmetallic minerals			445		8,200	42	18,764
Brick	362			2,000			
Coal	30			300			
Lubricating oil		10		1,000			
Illuminating oil		3		200			
Fuel oil		40		4,700			
Machinery, vehicles			126		123,700	8	1,008
Autos	115			121,800			
Wagons	11			1,900			

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ALTAMAHA RIVER, GA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Ton-miles.
	Bulk.	Package.		By commodities.	By classes.		
DOWNBOUND—continued.						*Miles.*	
Chemicals: Fertilizer	.....	6,627	6,627	$198,800	$198,800	61	410,046
Unclassified	.....	840	3,212	83,500	149,700	8	28,126
Ice	.....	2,300	.....	23,000	.....	.....	.....
General merchandise	.....	72	.....	43,200	.....	.....	.....
Total	93,099	17,051	110,150	2,448,700	2,448,700	.....	5,020,440
Total upbound and downbound	111,749	27,661	139,410	.....	3,517,200	.....	6,494,058

These tables comprise commerce from the Ocmulgee and Oconee Rivers, local, some of which goes to the port of Darien, and include floated logs, 54,212 tons, value $542,000.

SUMMARY.

Classes and commodities.	Local.		Total.	
	Tons.	Value.	Tons.	Value.
Animals and animal products	1,690	$348,800	1,690	$348,800
Vegetable food products	8,461	634,300	8,461	634,300
Other vegetable products	3,043	147,100	3,043	147,100
Textiles	258	97,900	258	97,900
Wood products	110,121	1,650,700	110,121	1,650,700
Nonmetallic minerals	807	10,200	807	10,200
Machinery and vehicles	126	123,700	126	123,700
Chemicals	11,627	348,800	11,627	348,800
Unclassified	3,277	155,700	3,277	155,700
Total	139,410	3,517,200	139,410	3,517,200

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OCONEE RIVER, GA.

Comparative statement of traffic.

Year.	Tons.	Value.	Floated logs.		Total.		Passengers.
			Tons.	Value.	Tons.	Value.	
1892	95,517	$1,289,130					
1893	115,271	1,690,625					
1894	119,060	1,731,450					
1895	119,765	1,687,875					
1896	115,000	1,680,000					
1897	22,550	800,000					
1898	10,000	1,000,000					
1899	10,000	505,000					
1900	6,800	524,000					
1901	32,000	480,000					
1902	7,781	622,480					
1903	31,174	1,241,802					
1904	32,160	443,225					
1905	20,900	520,174					
1906	50,246	540,000					
1907	11,000	330,000					
1908	19,000	247,000					
1909	20,345	731,000					
1910	10,667	308,960					
1911	6,213	266,184					
1912	7,451	309,190					
1913	10,440	574,125					
1914	38,242	1,509,976					
1915	41,925	484,091					
1916	11,984	404,867	9,800	$106,000	21,694	$510,867	300
1917	18,745	226,625	3,000	45,000	21,745	271,625	250
1918	17,940	362,745	600	12,500	18,540	375,245	225
1919	128,060	209,000	3,000	60,000	131,060	2,269,000	450
1920	103,794	103,794	5,913	167,000	109,707	2,743,800	200
1921	78,883	1,857,000	14,838	55,300	93,721	1,912,300	100

The navigation season extended throughout the year. When stage of water would permit one stern-wheel wooden steamer of 3½ feet draft made regular weekly round trips carrying freight and passengers between Bonny Clabber landing and Dublin, a distance of 30 miles. Two other steamers made alternate trips to the same landing and occasionally going as far down as Bells Ferry. The Dublin Veneer Co. operate constantly one tunnel-built oil-power towboat of 14-inch draft which tows barges of hardwood blocks for their mills, operating 25 miles above and 30 miles below Dublin. In addition, rafting of timber was carried on extensively.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Ton-miles.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.						*Miles.*	
Wood products			38,000		$900,000	21	815,000
Stave bolts	13,000			$400,000			
Hardwood blocks	25,000			500,000			
Chemicals: Fertilizer		150	150	6,000	6,000	30	4,500
Total	38,000	150	38,150		906,000		819,500
DOWNBOUND.							
Wood products			55,421		1,000,300	29	1,656,050
Logs (floated)	14,838			55,300			
Timber	600			10,000			
Lumber	1,983			35,000			
Stave bolts	13,000			400,000			
Hardwood blocks	25,000			500,000			
Chemicals: Fertilizer		150	150	6,000	6,000	30	4,500
Total	55,421	150	55,571		1,006,300		1,660,550
Total upbound and downbound	93,421	300	93,721		1,912,300		2,480,050

These local tables comprise commerce on the Oconee River and include floated logs 14,838 tons, value $55,300.

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OCONEE RIVER, GA.—continued.

SUMMARY.

Classes and commodities.	Local.		Total.	
	Tons.	Value.	Tons.	Value.
Wood products	93,421	$1,900,300	93,421	$1,900,300
Chemicals	300	12,000	300	12,000
Total	93,721	1,912,300	93,721	1,912,300

OCMULGEE RIVER, GA.

Comparative statement of traffic.

Year.	Tons.	Value	Floated logs.		Total.		Passengers.
			Tons.	Value.	Tons.	Value.	
1892	110,293	1,356,915					
1893	114,470	1,528,300					
1895	181,900	2,038,400					
1896	120,000	2,000,000					
1898	20,000	1,000,000					
1899	24,000	1,250,000					
1900	24,724	1,310,000					
1901	15,000	1,000,000					
1902	8,937	625,590					
1903	12,744	408,370					
1904	7,497	248,430					
1905	23,940	338,500					
1906	18,000	550,000					
1907	10,996	600,000					
1908	18,700	900,000					
1909	17,400	990,000					
1910	12,523	760,200					
1911	12,251	821,413					
1912	9,528	505,130					
1913	28,474	1,388,260					
1914	28,063	1,484,645					
1915	33,645	1,127,556					
1916	25,454	1,154,358	4,000	$50,000	29,454	$1,204,358	600
1917	16,174	1,511,285	2,000	30,000	18,174	1,546,285	700
1918	26,202	1,445,415	8,400	126,000	34,602	1,571,415	650
1919	292,214	5,546,300	3,200	64,000	295,414	5,610,300	
1920	59,964	1,991,300	3,113	73,100	63,077	2,064,400	
1921	50,185	1,825,700	10,257	37,500	60,442	1,863,200	

The navigation season extended throughout the year. Five steamboats of from 18 inches to 5 foot 4 inches draft operated over sections of this river covering 155 miles from the Forks to 20 miles above Hawkinsville, all carrying lumber and hardwood blocks. Two of these maintained semiweekly schedules from Lumber City to Mobleys Bluff and to Abbeville when stage of river permitted, towing barges of lumber in addition to freight carried. Also several motor boats of light draft were operated by local industries and the rafting of timber was extensively carried on.

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OCMULGEE RIVER, GA.—continued.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Ton-miles.
	Bulk.	Package.		By commodities.	By classes.		
UPSTREAM.						*Miles.*	
Animals and animal products			51		$7,500	40	2,040
Canned goods		50		$5,000			
Boots and shoes		1		2,500			
Vegetable food products			175		17,500	45	8,000
Flour		100		10,000			
Canned goods		50		5,000			
Sugar		25		2,500			
Other vegetable products			1,978		115,100	89	177,330
Turpentine		245		42,500			
Rosin		1,531		61,200			
Cotton seed		200		9,000			
Tobacco		2		2,400			
Textiles			916		243,600	40	36,640
Cotton		500		150,000			
Dry goods		416		93,600			
Wood products			19,800		461,700	42	859,000
Logs, hardwood	3,800			369,600			
Logs	8,000			58,000			
Cordwood	900			4,500			
Crossties	200			2,000			
Stave bolts	6,900			27,600			
Chemicals: Fertilizer		1,645	1,645	49,400	49,400	41	68,700
Unclassified		100	100	7,500	7,500	40	4,000
Total	19,800	4,865	24,665		902,300		1,155,700
DOWNBOUND.							
Animals and animal products			51		$12,500	40	2,040
Canned goods		50		10,000			
Boots and shoes		1		2,500			
Vegetable food products			175		22,500	45	8,000
Flour		100		10,000			
Canned goods		50		10,000			
Sugar		25		2,500			
Other vegetable products			1,978		115,100	40	80,120
Turpentine		245		42,500			
Rosin		1,531		61,200			
Cotton seed		200		9,000			
Tobacco		2		2,400			
Textiles			916		243,600	40	36,640
Cotton		500		150,000			
Dry goods		416		93,600			
Wood products			31,057		514,700	40	1,266,710
Hardwood logs	3,800			369,600			
Logs	18,257			95,500			
Cordwood	900			4,500			
Crossties	200			2,000			
Stave bolts	6,900			27,600			
Lumber	1,000			15,500			
Chemicals: Fertilizer		1,500	1,500	45,000	45,000	40	60,000
Unclassified		100	100	7,500	7,500	40	4,000
Total	31,057	4,720	35,777		960,900		1,457,510
Total upbound and downbound	50,857	9,585	60,442		1,863,200		2,613,210

These tables show the commerce of the Ocmulgee River and include floated logs 10,257 tons, valued at $37,500.

Ferry traffic.	Amount in short tons.	Value.
Automobiles	8,000	$8,000,000
Wagons	3,000	20,000
Total	11,000	8,020,000

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OCMULGEE RIVER, GA.—continued.

SUMMARY.

Classes and commodities.	Local.		Classes and commodities.	Local.	
	Tons.	Value.		Tons.	Value.
Animals and animal products	102	$20,000	Chemicals	3,145	$94,400
Vegetable food products	350	40,000	Unclassified	200	15,000
Other vegetable products	3,956	230,200			
Textiles	1,832	487,200	Total	60,442	1,863,200
Wood products	50,857	976,400			

BRUNSWICK HARBOR, GA.

Comparative statement of traffic.

Year.	Tons.	Value.	Floated logs.		Tons.	Value.	Passengers.
			Tons.	Value.			
1891	576,189	$12,756,760					
1892	676,615	13,652,703					
1893	628,906	7,637,907					
1894	771,548	13,498,831					
1895	603,682	12,205,962					
1896	754,565	15,665,402					
1897	915,294	18,385,224					
1898	573,370	15,359,533					
1899	697,392	21,375,486					
1900	733,999	24,705,743					
1901	677,256	28,091,111					
1902	1,017,423	27,372,638					
1903	1,502,996	30,923,932					
1904	1,417,157	29,939,416					
1905	1,656,257	43,832,290					
1906	1,423,985	35,892,335					
1907	1,500,000	45,091,756					
1908	1,200,000	39,892,165					
1909	774,000	43,129,000					
1910	794,542	43,666,171					
1911	704,252	44,506,731					
1912	725,597	45,664,904					
1913	1,009,026	58,258,725					
1914	587,224	38,373,320					
1915	500,911	44,675,521					
1916	468,459	67,319,550	1,557	$7,278	470,016	$67,326,828	25,709
1917	321,868	55,992,262	296	13,918	322,164	56,006,180	26,000
1918	556,458	57,016,280	17,403	215,135	573,861	57,231,415	57,000
1919	378,031	75,828,000	12,070	142,000	390,101	75,970,000	121,670
1920	739,305	48,859,000	26,976	434,000	766,281	49,293,000	84,416
1921	760,594	32,078,600	19,928	165,000	780,522	32,243,600	49,035

Information in regard to the commerce of Brunswick prior to improvement may be found in the annual report of the fiscal year ending June 30, 1897. When not interrupted by adverse conditions the Clyde Steamship Co. operated Shipping Board vessels of 22 to 24½ feet draft, on regular weekly schedule, making total sailings of 32 northbound and 31 southbound trips. Sailing vessels, barges, and steamers of from 14 to 23 feet draft operated coastwise from Brunswick. Two single-screw wooden steamers of about 7 feet draft maintained daily schedules between Brunswick and near-by ports and one vessel of the same type and draft maintained semiweekly schedules with various towns and landings on the inland waterway and rivers. Numerous tugs and launches, towing rafts and barges, and a fleet of gasoline launches engaged in the shrimp industry, operated from Brunswick. An intermittent freight service was maintained with twin-screw steel ships of from 18 to 27 feet draft between Brunswick and the principal ports of the United Kingdom and in addition oil tank steamships drawing 25 to 28 feet, operated coastwise and foreign.

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BRUNSWICK HARBOR, GA.—continued.

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Nonmetallic minerals: Crude oil	30,189	30,189	$1,087,000	$1,087,000
Chemicals		3,573		94,000
Manure salts	1,592		49,000	
Kainit	1,981		45,000	
Total imports	33,762	33,762	1,181,000	1,181,000
EXPORTS.				
Animals and animal products: Prawn	254	254	124,000	124,000
Other vegetable products		15,030		2,343,000
Turpentine	3,540		612,000	
Rosin	10,310		315,000	
Tobacco	1,180		1,416,000	
Textiles: Cotton	4,077	4,077	1,586,000	1,586,000
Wood products		142,131		788,000
Lumber	10,602		229,000	
Lumber products	597		36,000	
Crossties	10,037		173,000	
Cypress ties	29		106,000	
Pine sleepers	120,866		244,000	
Nonmetallic minerals		74,512		5,604,000
Coal	947		10,000	
Refined oil	73,565		5,594,000	
Ores, metals		1,786		103,000
Steel rails and fittings	1,671		92,000	
Iron pipe	115		11,000	
Machinery and vehicles: Auto	3	3	4,000	4,000
Chemicals: Nitrate of soda	2,597	2,597	159,000	159,000
Total	240,390	240,390	10,711,000	10,711,000
Total imports and exports	274,152	274,152	11,892,000	11,892,000

Above imports were shipped from Port Lobos, Mexico, and Antwerp, Belgium. Foreign shipments from Brunswick were made to ports of Liverpool, England, Havana, Cuba, and Calais, France.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.[1]					
Animals and animal products: Boots and shoes		4	4	$8,000	$8,000
Vegetable food products			1,854		321,000
Sugar		462		46,000	
Feed		314		11,000	
Coffee		294		177,000	
Flour		754		83,000	
Cocoa		15		2,000	
Peas		15		2,000	
Other vegetable products: Garden seed		28	28	1,000	1,000
Textiles: Dry goods		110	110	248,000	248,000
Nonmetallic minerals			191,117		6,847,000
Cement		80		1,000	
Crude oil	189,837			6,834,000	
Coal	1,200			12,000	
Ores, metals and manufactures of			1,405		194,000
Tinware		80		10,000	
Nails		470		47,000	
Wire, fence		855		137,000	

[1] The above commerce was received at the port of Brunswick from New York, Texas City, and Beaumont, Tex.

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BRUNSWICK HARBOR, GA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE—continued.					
Chemicals			347		$55,000
Soda		18		$2,000	
Lye		13		2,000	
Soap		316		51,000	
Unclassified		1,193	1,193	119,000	119,000
Total	191,037	5,021	196,058	7,793,000	7,793,000
SHIPMENTS, COASTWISE.[1]					
Animals and animal products: Canned shrimp		704	704	231,000	231,000
Other vegetable products			19,414		1,001,000
Turpentine		2,857		507,000	
Rosin		16,557		494,000	
Textiles			232		101,000
Cotton		187		56,000	
Dry goods					
Domestic		45		45,000	
Wood products			90,244		1,435,000
Lumber	16,715			270,000	
Crossties	63,544			1,105,000	
Piling	9,985			60,000	
Nonmetallic minerals			78,445		5,902,000
Fuel oil	5,993			230,000	
Lubricating oil	72,452			5,672,000	
Ores, metals and manufactures of			344		21,000
Lead and lead pipe		258		17,000	
Structural steel		86		4,000	
Unclassified: General merchandise		216	216	130,000	130,000
Total	168,689	20,910	189,599	8,821,000	8,821,000
Total receipts and shipments, coastwise			385,657		16,614,000

LOCAL.

RECEIPTS.					
Animals and animal products			7,267		$429,000
Shrimp	2,426			$146,000	
Shrimp, canned		803		230,000	
Fish	39			4,000	
Oyster shell	3,994			48,000	
Meal		5		1,000	
Vegetable food products		150	150	24,000	24,000
Other vegetable products			7,015		440,000
Turpentine		1,606		274,000	
Rosin		5,409		166,000	
Textiles: Cotton		26	26	13,000	13,000
Wood products			78,919		1,038,000
Lumber	24,885			384,000	
Piling	18,185			115,000	
Crossties	27,548			464,000	
Hardwood blocks	1,257			35,000	
Logs (floated)	6,744			39,000	
Cordwood	300			1,000	
Ores, metals and manufactures of: Iron		80	80	5,000	5,000
Machinery and vehicles			285		400,000
Automobiles		275		399,000	
Wagons		10		1,000	
Unclassified			773		89,000
Gas drums		93		17,000	
General merchandise		680		72,000	
Total	85,378	9,137	94,515	2,438,000	2,438,000

[1] The above commerce was shipped from Brunswick to the ports of New York, Philadelphia, Baltimore, Norfolk, and Boston.

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BRUNSWICK HARBOR, GA.—continued.

LOCAL—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS.					
Animals and animal products			332		$113,000
Canned goods		298		$89,000	
Bacon		3		1,000	
Boots and shoes		7		17,000	
Fish		10		1,000	
Meat		14		5,000	
Vegetable food products			3,052		289,000
Groceries		61		22,000	
Grain		1,105		46,000	
Flour		620		67,000	
Sugar		277		28,000	
Rice		72		6,000	
Hay		210		7,000	
Feed		233		8,000	
Canned vegetables		422		103,000	
Grits		52		2,000	
Other vegetable products: Tobacco		8	8	8,000	8,000
Textiles: Dry goods		18	18	34,000	34,000
Wood products			15,998		203,000
Lumber	1,425			28,000	
Empty casks		333		28,000	
Logs (floated)	13,184			126,000	
Crossties	1,041			17,000	
Furniture		15		4,000	
Nonmetallic minerals			2,188		97,000
Lubricating oil		181		18,000	
Fuel oil		45		2,000	
Gasoline		1,077		62,000	
Coal	800			8,000	
Illuminating oil		85		7,000	
Ores, metals and manufactures			291		56,000
Iron	127			21,000	
Hardware		84		25,000	
Tinware		80		10,000	
Machinery and vehicles			250		360,000
Automobiles		243		359,000	
Machinery		7		1,000	
Chemicals: Fertilizer		125	125	4,000	4,000
Unclassified			3,936		135,600
General merchandise		643		88,000	
Ice	3,210			31,000	
Gas drums		81		15,600	
Ammunition		2		1,000	
Total	19,787	6,411	26,198		1,299,600
Total receipts and shipments	105,165	15,548	120,713		3,737,600

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BRUNSWICK HARBOR, GA.—continued.

SUMMARY.

Classes and commodities.	Imports.		Exports.		Coastwise.		Local.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			254	$124,000	708	$239,000	7,599	$542,000	8,561	$905,000
Vegetable products					1,854	321,000	3,202	313,000	5,056	634,000
Other vegetable products			15,030	2,343,000	19,442	1,002,000	7,023	448,000	41,495	3,793,000
Textiles			4,077	1,586,000	342	349,000	44	47,000	4,463	1,982,000
Wood products			142,131	788,000	90,244	1,435,000	94,917	1,241,000	327,292	3,464,000
Nonmetallic minerals	30,189	$1,087,000	74,512	5,604,000	269,562	12,749,000	2,188	97,000	376,451	19,537,000
Ores, metals			1,786	103,000	1,749	215,000	371	61,000	3,906	379,000
Machinery and vehicles			3	4,000			535	760,000	538	764,000
Chemicals	3,573	94,000	2,597	159,000	347	55,000	125	4,000	6,642	312,000
Unclassified					1,409	249,000	4,709	224,600	6,118	473,600
Total	33,762	1,181,000	240,390	10,711,000	385,657	16,614,000	120,713	3,737,600	780,522	32,243,600

Cargoes in transit 51,107 tons, value $5,437,250.

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BRUNSWICK HARBOR, GA.—continued.

CARGOES IN TRANSIT.

Classes and commodities.	Commodities.		Classes.	
	Amount in short tons.	Value.	Amount in short tons.	Value.
Animals and animal products: Hides	91	$14,600	91	$14,600
Vegetable food products			4,433	389,200
Cocoa	13	6,000		
Grain	100	4,000		
Wheat	2,800	224,000		
Rice	100	8,000		
Flour	482	53,000		
Sugar	600	60,000		
Olives	5	4,000		
Soda	67	5,300		
Malt	204	16,600		
Cottonseed oil	62	8,300		
Other vegetable products			4,544	1,757,400
Turpentine	1,729	299,000		
Rosin	1,941	59,400		
Tobacco	874	1,399,000		
Textiles			1,342	266,600
Cotton	1,260	252,000		
Cotton yarn	45	5,000		
Wool yarn	8	4,000		
Manila hemp	22	2,600		
Straw hats	7	3,000		
Wood products			6,664	158,300
Lumber	6,300	126,000		
Box shooks	100	1,000		
Handles	50	5,000		
Wooden barrels	206	10,300		
Paper, carbon	8	16,000		
Nonmetallic minerals			19,233	602,000
Lubricating oil	6	600		
Crude petroleum	2,925	9,000		
Crude oil	16,246	591,400		
Cement	56	1,000		
Ores, metals, and manufactures of			5,940	441,700
Steel cars	3,397	347,000		
Car wheels	300	15,000		
Pipe fittings	19	3,000		
Steel drums	1,606	16,000		
Iron	42	4,000		
Structural steel	576	56,700		
Machinery and vehicles: Machinery	60	12,650	60	12,650
Chemicals			6,200	234,800
Phosphate rock	3,150	38,000		
Sulphuric acid	39	20,000		
Nitrate of soda	2,643	159,000		
Soda ash	368	17,800		
Unclassified: General merchandise	2,600	1,560,000	2,600	1,560,000
Total	51,107	5,437,250	51,107	5,437,250

The above table represents cargoes and part cargoes on ships entering this port and clearing without unloading same. None of this tonnage has been included in the preceding tables.

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BRUNSWICK HARBOR, GA.—continued.

Arrival and clearances at the port of Brunswick, Ga., during the calendar year 1921 (as furnished by the collector of customs) were as follows:

Vessels.	Arrived.			Cleared.		
	Number.	Tonnage.	Crew.	Number.	Tonnage.	Crew.
Coastwise:						
Foreign vessels	.....	.....	.....	.....	.....	.....
American vessels	60	114,409	1,887	54	88,358	1,480
Foreign:						
Foreign vessels	41	58,464	906	49	79,167	1,160
American vessels	16	18,728	247	15	39,803	398
Total	117	191,601	3,040	118	207,328	3,038

FERNANDINA HARBOR, FLA.

Comparative statement of traffic.

Years.	Tons.	Value.	Floated logs.		Total.		Passengers.
			Tons.	Value.	Tons.	Value.	
1908	550,000	$9,274,000	.....	.....	.....	.....	.....
1909	582,000	11,065,000	.....	.....	.....	.....	.....
1910	578,645	11,471,306	.....	.....	.....	.....	.....
1911	511,133	10,113,836	.....	.....	.....	.....	.....
1912	570,612	9,839,571	.....	.....	.....	.....	.....
1913	552,865	9,697,218	.....	.....	.....	.....	.....
1914	424,544	9,230,082	.....	.....	.....	.....	.....
1915	161,143	2,732,197	.....	.....	.....	.....	.....
1916	140,046	4,783,015	.....	.....	140,046	$4,783,015	2,200
1917	55,701	2,098,843	.....	.....	55,701	2,098,843	2,500
1918	212,789	6,467,387	47,100	$700,250	259,898	7,167,637	2,200
1919	473,683	9,361,600	.....	.....	473,683	9,361,600	4,200
1920	407,146	7,680,494	1,016	19,200	408,162	7,699,694	900
1921	198,036	3,834,960	600	12,500	198,636	3,847,460	3,412

The navigation season extended throughout the year. A single-screw wooden steamer of about 7½ feet draft made semiweekly trips between Fernandina and Brunswick via the inside route. Ocean-going steamers and sailing vessels of draft up to 28.5 feet operated over this waterway. Tugs and launches, towing rafts and barges, and fleets of motor boats engaged in the shrimp and fish industries operated from Fernandina.

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FERNANDINA HARBOR, FLA.—continued.

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.[1]				
Chemicals: Nitrate of soda	1,734	1,734	$139,000	$139,000
EXPORTS.				
Other vegetable products: Rosin	237	237	7,000	7,000
Wood products		1,934		44,000
Lumber	1,580		32,000	
Cedar logs	177		6,000	
Poplar logs	177		6,000	
Nonmetallic minerals: Commercial coal	28,341	28,341	269,000	269,000
Chemicals: Phosphate	129,089	129,089	1,675,000	1,675,000
Unclassified: General merchandise	27	27	16,000	16,000
Total exports		159,628		2,011,000
Total imports and exports		161,362		2,150,000
SHIPMENTS, COASTWISE.[2]				
Wood products		6,396		67,460
Piling	6,052		60,520	
Lumber	344		6,940	
Total shipments, coastwise	6,396	6,396		67,460

[1] Above imports were received from the port of Iquique, Chile. Shipments of phosphate were made to Germany and shipments of coal to Italy.
[2] Above commerce shipped to the port of Baltimore.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, LOCAL.					
Animals and animal products			6,385		$648,700
Shrimp	5,140			$308,400	
Canned shrimp		1,151		326,200	
Fish oil		90		12,900	
Hides		4		1,200	
Vegetable food products			93		24,900
Canned vegetables		15		4,500	
Feed		30		1,200	
Groceries		48		19,200	
Other food products			573		39,900
Turpentine		158		27,300	
Rosin		415		12,600	
Wood products			5,303		92,100
Lumber	3,910			60,600	
Piling	150			1,200	
Crossties	627			10,600	
Logs (floated)	600			12,500	
Furniture		16		7,200	
Ores and metals: Hardware		2	2	600	600
Machinery: Autos		52	52	78,000	78,000
Chemicals: Fertilizer		2,312	2,312	92,500	92,500
Unclassified: Gas drums		787	787	147,000	147,000
Total receipts, local	10,427	5,080	15,507		1,123,700

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FERNANDINA HARBOR, FLA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS, LOCAL.					
Animals and animal products			49		$14,100
Live stock	14			$3,000	
Canned shrimp		35		10,500	
Vegetable food products			653		32,800
Grain		460		18,400	
Flour		7		800	
Hay		131		4,100	
Sugar		28		2,900	
Canned vegetables		20		6,000	
Rice		7		600	
Other vegetable products: Tobacco		3	3	3,600	3,600
Textiles: Dry goods		1	1	2,000	2,000
Nonmetallic minerals			3,692		197,700
Gasoline		2,496		156,000	
Kerosene		336		14,400	
Refined oil		680		25,500	
Coal		180		1,800	
Unclassified			10,973		256,100
Gas drums	713			142,600	
Ice	10,180			101,800	
General merchandise	80			11,700	
Total shipments, local	10,987	4,384	15,371		506,300
Total receipts and shipments, local	21,414	9,464	30,878		1,630,000

These local tables comprise commerce to and from inland ports and waterways and include floated logs, 600 tons, value $12,500.

SUMMARY.

Classes and commodities.	Imports.		Exports.		Coastwise.		Local.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products							6,434	$662,800	6,434	$662,800
Vegetable food products							746	57,700	746	57,700
Other vegetable products			237	$7,000			576	43,500	813	50,500
Textiles							1	2,000	1	2,000
Wood products			1,934	44,000	6,396	$67,460	5,303	92,100	13,633	203,560
Nonmetallic minerals			28,341	269,000			3,692	197,700	32,033	466,700
Ores, metals, and manufactures of							2	600	2	600
Machinery and vehicles							52	78,000	52	78,000
Chemicals	1,734	$139,000	129,089	1,675,000			2,312	92,500	133,135	1,906,500
Unclassified			27	16,000			11,760	403,100	11,787	419,100
Total	1,734	139,000	159,628	2,011,000	6,396	67,460	30,878	1,630,000	198,636	3,847,460

Arrival and clearances at the port of Fernandina, Fla., during the calendar year 1921 (as furnished by the collector of customs), were as follows:

Vessels.	Arrived.			Cleared.		
	Number.	Tonnage.	Crew.	Number.	Tonnage.	Crew.
Coastwise:						
Foreign	8	17,077	224	7	18,586	234
American	11	39,940	409	12	38,792	454
Foreign:						
Foreign	21	35,220	511	21	33,959	490
American	2	4,047	48	2	4,877	49
Total	42	96,284	1,192	42	96,214	1,227

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JACKSONVILLE, FLA., DISTRICT.

ST. JOHNS RIVER, JACKSONVILLE TO THE OCEAN.[1]

Comparative statement of traffic.

Year.	Tons.		Value.	Passengers.	Year.	Tons.		Value.	Passengers.
	General merchandise.	Floated logs.				General merchandise.	Floated logs.		
1917...	1,628,393	83,860	$87,674,155	53,437	1920...	2,504,488	3,002	$135,102,139	67,513
1918...	1,459,556	31,463	99,909,781	32,290	1921...	1,871,981	53,021	78,936,751	45,250
1919...	1,667,827	4,400	134,664,391	31,613					

[1] Includes some traffic in transit on St. Johns River to and from points above Jacksonville.

[Navigation season: Opened Jan. 1; closed Dec. 31.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Nonmetallic minerals	.....	201,617	.....	$1,865,780
Oils—				
Creosote	2,200	.....	$55,000	.....
Crude	189,072	.....	1,678,108	.....
Petroleum products	9,000	.....	112,497	.....
Salt	1,345	.....	20,175	.....
Chemicals	.....	43,971	.....	2,281,338
Bone meal	1,044	.....	31,320	.....
Fertilizer	6,540	.....	261,600	.....
Fertilizer material	7,192	.....	230,718	.....
Nitrate of soda	29,195	.....	1,757,700	.....
Total imports	.....	245,588	.....	4,147,118
EXPORTS.				
Animals and animal products	.....	85	.....	41,800
Hides and skins	31	.....	31,000	.....
Live stock: Hogs	54	.....	10,800	.....
Other vegetable products	.....	69,373	.....	4,927,040
Naval stores—				
Rosin	50,659	.....	2,026,370	.....
Turpentine	18,714	.....	2,900,670	.....
Textiles: Cotton, upland	25	25	8,750	8,750
Wood and paper	.....	60,871	.....	986,989
Lumber—				
Pine creosoted	8,180	.....	89,500	.....
Pine	41,053	.....	652,259	.....
Cross ties	10,598	.....	211,960	.....
Hardwood	334	.....	5,010	.....
Shooks	706	.....	28,240	.....
Nonmetallic minerals	.....	86,382	.....	948,002
Brick	1,100	.....	9,900	.....
Coal	85,282	.....	938,102	.....
Ores, metals, and manufactures: Steel	12,278	12,278	1,117,800	1,117,8 0
Machinery and vehicles: Agricultural implements	4,032	4,032	806,400	806,400
Chemicals	.....	125,956	.....	1,394,508
Nitrate of soda	4,954	.....	297,240	.....
Phosphate rock	121,002	.....	1,097,268	.....
Unclassified: Miscellaneous	1,457	1,457	218,550	218,550
Total exports	.....	360,459	.....	10,449,819
Total imports and exports	.....	606,047	.....	14,596,937

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ST. JOHNS RIVER, JACKSONVILLE TO THE OCEAN—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons.			Value.	
	By commodities.		By classes.	By commodities.	By classes.
	Bulk.	Package.			
RECEIPTS, COASTWISE.					
Animals and animal products			404		$164,510
Hides and skins		106		$106,000	
Live stock: Horses		5		1,500	
Packing-house products		293		57,010	
Vegetable food products			11,845		1,148,645
Flour		1,872		224,640	
Fruits: Other fruits		154		9,240	
Grain		4,462		337,720	
Peanuts		7		525	
Sugar		3,768		452,160	
Vegetables—					
Potatoes, Irish		220		15,400	
Onions	1,362			108,960	
Other vegetable products			873		586,455
Naval stores—					
Rosin		500		20,000	
Turpentine		21		3,255	
Tobacco		352		563,200	
Textiles: Dry goods, etc		568	568	852,000	852,000
Wood and paper			103		39,500
Furniture		78		39,000	
Lumber, n. o. s		25		500	
Nonmetallic minerals			440,071		19,246,731
Cement		574		8,610	
Coal	42,682			296,900	
Oils—					
Crude	76,833			687,447	
Gasoline	223,866			13,431,960	
Grease	532			106,400	
Kerosene	26,885			1,075,400	
Machine	17,823			1,326,935	
Petroleum products	41,668			2,141,294	
N. o. s		925		46,250	
Salt	314			4,710	
Sulphur	7,969			120,825	
Ores, metals, and manufactures			34,176		2,358,580
Hardware		78		11,700	
Manufactured iron		14,417		1,153,360	
Nails		624		50,100	
Railroad supplies		89		5,340	
Railroad supplies	18,968			1,138,080	
Machinery and vehicles			2,117		2,683,550
Automobiles	2,000			2,666,000	
Machinery		117		17,550	
Chemicals			8,621		631,691
Fertilizer		1,487		83,095	
Fertilizer material	4,615			146,488	
Nitrate of soda		2,519		402,108	
Unclassified			38,499		5,839,830
Canned goods		6,144		929,400	
General merchandise		1,000		150,000	
Groceries		2		360	
Miscellaneous		31,353		4,760,070	
Total receipts, customs	465,517	71,760	537,277		33,551,492
SHIPMENTS, COASTWISE.					
Animals and animal products			218		448,300
Bacon, salt		32		12,800	
Meats, smoked		125		68,600	
Sponges		61		366,900	
Vegetable food products			27,340		2,097,479
Cottonseed meal		30		1,800	
Flour		280		33,600	
Fruits—					
Apples		8		800	
Bananas		26		1,040	
Citrus fruits		13,533		988,954	
Coconuts		144		9,000	
Oranges		20		1,250	
Grain		7,415		392,900	

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ST. JOHNS RIVER, JACKSONVILLE TO THE OCEAN—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons.			Value.	
	By commodities.		By classes.	By commodities.	By classes.
	Bulk.	Package.			
SHIPMENTS, COASTWISE—continued.					
Vegetable food products—Continued.					
Linseed oil		20		$5,000	
Rice		150		34,250	
Vegetable—					
Pineapples		254		19,149	
Watermelons		30		1,600	
Other vegetables		3,989		478,716	
Potatoes, Irish		886		62,020	
Sugar		545		65,400	
Sirup		10		2,000	
Other vegetable products			135,448		$13,089,020
Cigars		832		3,993,200	
Drugs, etc		2		3,000	
Naval stores—					
Rosin	52,685			2,107,410	
Do		56,927		2,277,100	
Turpentine	11,305			1,710,425	
Do		11,557		2,042,915	
N. o. s.		369		18,790	
Tar and pitch		1,258		40,180	
Tobacco		513		896,000	
Textiles			387		306,565
Cotton, upland		193		65,705	
Cotton, Sea Island		193		240,750	
Cotton, linters		1		110	
Wood and paper			439,022		5,846,343
Doors, sash, etc		58		11,600	
Logs—					
Cypress	133			1,197	
Florida cedar		25		1,062	
Pine	317			2,536	
Lumber—					
Cedar slats		78		936	
Crossties	101,515			1,448,146	
Do		32,846		273,878	
Cypress	4,553			156,306	
Pine, creosoted	24,538			268,500	
Pine	150,099			2,104,862	
Do		102,878		1,371,720	
Pine piling	3,500			20,500	
N. o. s.		18,482		185,100	
Nonmetallic minerals			17,112		382,630
Cement		180		2,700	
Fuller's earth		5,424		108,480	
Oils—					
Crude		6,750		60,000	
Gasoline		37		2,220	
Do	2,402			144,120	
Grease	12			480	
Kerosene		25		1,000	
Do	559			22,360	
Machine		42		3,150	
Do	142			11,360	
Petroleum products	1,539			26,760	
Ores, metals, and manufactures			2,098		244,300
Cast-iron pipe		237		14,220	
Manufactured iron		551		44,080	
Nails		210		21,000	
Hardware		1,100		165,000	
Machinery and vehicles: Automobiles	687		687	916,000	916,000
Chemicals			176		15,840
Fertilizer		154		9,240	
Paints		22		6,600	
Unclassified			11,229		1,415,580
Canned goods		3,038		455,700	
Groceries		1,806		320,200	
Miscellaneous		6,385		639,680	
Total shipments, coastwise	353,986	279,731	633,717		24,762,057
Total receipts and shipments	819,503	351,491	1,170,994		58,313,540

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ST. JOHNS RIVER, JACKSONVILLE TO THE OCEAN—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons.			Value.	
	By commodities.		By classes.	By commodities.	By classes.
	Bulk.	Package.			
INTERNAL, UPBOUND.					
Animals and animal products			364		$162,500
Bacon		189		$94,500	
Butter		8		6,400	
Meats, smoked		94		47,000	
Packing-house products		73		14,600	
Vegetable food products			2,189		158,628
Cottonseed oil		23		1,081	
Flour		370		44,400	
Fruits—					
Apples		15		1,500	
Bananas		9		360	
Other fruit		3		220	
Hay		287		9,110	
Linseed oil		5		1,250	
Rice		35		7,000	
Sugar		646		77,520	
Vegetables—					
Pineapples		3		180	
Potatoes, irish, seed		293		15,632	
Water	500			375	
Other vegetable products			20		50,000
Cigars		8		32,000	
Drugs, etc		12		18,000	
Textiles: Dry goods, etc		20	20	30,000	30,000
Wood and paper			3,156		118,905
Doors, sash, etc		100		20,000	
Furniture		40		16,000	
Lumber—					
Crate material		27		675	
Cypress	1,820			62,400	
Hampers		7		350	
Pine	1,112			19,080	
Staves, barrel		50		400	
Nonmetallic minerals			1,746		37,005
Brick		10		60	
Cement		157		2,355	
Coal		113		1,884	
Lime		25		500	
Oils—					
Crude	1,125			10,125	
Gasoline		25		1,875	
Kerosene		6		261	
Machine		245		19,345	
Salt		40		600	
Ores, metals, and manufactures			1,057		142,350
Cast iron pipe		100		6,000	
Hardware		825		123,750	
Nails		132		12,600	
Machinery and vehicles			156		31,500
Automobiles		6		9,000	
Machinery		150		22,500	
Chemicals			2,559		158,820
Fertilizer		2,547		152,820	
Paints		12		6,000	
Unclassified			19,174		3,526,170
Canned goods		1,192		179,670	
General merchandise		1,819		289,850	
Groceries		166		24,400	
Ice		359		2,450	
Miscellaneous		15,638		3,029,800	
Total internal, upbound	4,557	25,884	30,441		4,415,878
INTERNAL, DOWN BOUND.					
Animals and animal products			35,594		229,883
Eggs		9		3,900	
Fish		6,441		178,347	
Hides and skins		10		15,000	
Live stock		11		1,680	
Poultry		3		1,836	
Shell	29,120			29,120	

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ST. JOHNS RIVER, JACKSONVILLE TO THE OCEAN—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons.			Value.	
	By commodities.		By classes.	By commodities.	By classes.
	Bulk.	Package.			
INTERNAL, DOWN BOUND—continued.					
Vegetable food products			8,689		$612,746
Fruit—					
Grapefruit		983		$53,896	
Oranges		3,410		238,980	
Vegetables—					
Beans		18		1,053	
Cabbage		47		1,910	
Celery		147		11,792	
Lettuce		27		1,629	
Potatoes, Irish		3,840		285,547	
Potatoes, sweet		53		5,300	
Tomatoes		128		10,248	
Watermelons		6		150	
Other vegetables		30		2,241	
Other vegetable products			667		68,476
Naval stores—					
Rosin		498		37,995	
Turpentine		167		30,465	
Batting dross		2		16	
Wood and paper			57,558		376,317
Logs—					
Cypress, floated	4,500			21,000	
Pine, floated	41,033			173,667	
Lumber:					
Crossties	300			3,000	
Cypress		4,201		140,120	
Lath		7		70	
Pine		9		160	
Pine, piling, floated	7,488			38,000	
Shingles		20		300	
Nonmetallic minerals: Sand	13,000		13,000	18,590	18,590
Machinery and vehicles: Automobiles		6	6	9,000	9,000
Chemicals: Fertilizer material	822		822	58,500	58,500
Unclassified: Miscellaneous	1,184		1,184	236,875	236,875
Total internal, downbound	97,447	20,073	117,520		1,610,387
Total upbound and downbound	102,004	45,957	147,961		6,026,265

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ST. JOHNS RIVER, JACKSONVILLE TO THE OCEAN—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Internal.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			85	$41,800	622	$612,810	35,958	$392,383	36,665	$1,046,993
Vegetable food products					39,185	3,246,124	10,878	771,374	50,063	4,017,498
Other vegetable products			69,373	4,927,040	136,321	13,675,475	687	118,476	206,381	18,720,991
Textiles			25	8,750	955	1,158,565	20	30,000	1,000	1,197,315
Wood and paper			60,871	986,969	439,125	5,885,843	60,714	495,222	560,710	7,368,034
Nonmetallic minerals	201,617	$1,865,780	86,382	948,002	457,183	19,629,361	14,746	55,595	759,928	22,498,738
Ores, metals, and manufactures			12,278	1,117,800	36,274	2,602,880	1,057	142,350	49,609	3,863,030
Machinery and vehicles			4,032	806,400	2,804	3,599,550	162	40,500	6,998	4,446,450
Chemicals	43,971	2,281,338	125,956	1,394,508	8,797	647,531	3,381	217,320	182,105	4,540,697
Unclassified			1,457	218,550	49,728	7,255,410	20,358	3,763,045	71,543	11,237,005
Total	245,588	4,147,118	360,459	10,449,819	1,170,994	58,313,549	147,961	6,026,265	1,925,002	78,936,751

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ST. JOHNS RIVER, JACKSONVILLE TO THE OCEAN—continued.

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.	Net registered tonnage.	Passengers.
Registered:					
Steamers	2,534	66	2,600	3,769,212	33,598
Motor boats	3,252	.....	3,252	103,462	9,832
Sail boats	190	70	260	184,232	.....
Barges	96	.....	96	60,740	.....
Unregistered:					
Motor boats	1,182	.....	1,182	2,871	1,820
Lighters	1,734	.....	1,734	154,390	.....
Rafts	536	.....	536	53,021	.....
Total	9,524	136	9,660	4,327,928	45,250

The above includes both arrivals and departures. In addition, ferryboats carried approximately 2,220,118 passengers, and 141,529 automobiles and teams. It is further estimated that about 50 steamers, aggregating 150,000 net tons, put into this port for bunker oil and minor repairs; accurate data is not available.

ST. JOHNS RIVER, FLA., JACKSONVILLE TO PALATKA.[1]

Comparative statement of traffic.

Year.	Tons.		Value.	Passengers.	Year.	Tons.		Value.	Passengers.
	General merchandise.	Floated logs.				General merchandise.	Floated logs.		
1917	86,512	88,097	$3,772,387	30,740	1920	84,637	45,861	$5,149,881	30,659
1918	79,708	31,474	3,070,941	58,326	1921	81,522	61,784	5,879,167	24,955
1919	113,570	48,501	4,870,878	51,274					

[1] Includes some traffic pertaining to St. Johns River, Jacksonville to the ocean, and Palatka to Lake Harney.

[Navigation season: Opened Jan. 1; closed Dec. 31.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons.			Value.		Average haul.	Rate per ton-mile.
	By commodities.		By classes.	By commodities.	By classes.		
	Bulk.	Package.					
UPBOUND.						*Miles.*	*Cents.*
Animals and animal products	.....	.....	291	.....	$141,560	.....	.....
Bacon	.....	189	.....	$94,500	.....	55	.....
Butter	.....	8	.....	60	.....	55	.....
Meats, smoked	.....	94	.....	47,000	.....	55	.....
Vegetable food products	.....	.....	6,905	.....	415,342	.....	.....
Flour	.....	370	.....	44,400	.....	55	5.4
Fruit—							
Apples	.....	15	.....	1,500	.....	55	4.5
Bananas	.....	9	.....	360	.....	55	4.5
Other fruit	.....	3	.....	220	.....	55	4.5
Grain	.....	5,219	.....	245,750	.....	55	2.0
Hay	.....	237	.....	7,110	.....	55	2.1
Oil, linseed	.....	5	.....	1,250	.....	55	.....
Packing-house products	.....	73	.....	14,600	.....	55	.....
Rice	.....	35	.....	7,000	.....	55	.....
Sugar	.....	646	.....	77,520	.....	55	.....

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ST. JOHNS RIVER, FLA., JACKSONVILLE TO PALATKA—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons. By commodities. Bulk.	Amount in short tons. By commodities. Package.	Amount in short tons. By classes.	Value. By commodities.	Value. By classes.	Average haul.	Rate per ton-mile.
UPBOUND—continued.						*Miles.*	*Cents.*
Vegetables: Potatoes, Irish, seed		293		$15,632		55	
Other vegetable products			20		$50,000		
Cigars		8		32,000		55	
Drugs, etc		12		18,000		55	
Textiles: Dry goods, etc		20	20	30,000	30,000	55	
Wood and paper			35,260		144,954		
Doors, sash, etc		100		20,000		55	3.6
Furniture		40		16,000		55	
Logs—							
Cypress, floated	19,325			54,250			
Pine, floated	15,711			53,279			
Lumber—							
Crate material		27		675		55	3.6
Hampers		7		350		55	
Staves, barrel		50		400		55	
Nonmetallic minerals			565		24,284		
Brick		10		60		55	
Cement		132		1,980		55	3.4
Coal		113		1,884		55	
Lime		25		500		55	
Oils—							
Kerosene		3		120		55	
Machine		242		19,140		55	
Salt		40		600		55	
Ores, metals, and manufactures of			1,057		142,350		
Cast-iron pipe		100		6,000		55	
Hardware		825		123,750		55	7.2
Nails		132		12,600		55	7.2
Machinery and vehicles			156		31,500		
Automobiles		6		9,000		55	7.2
Machinery		150		22,500		55	7.2
Chemicals			2,548		158,160		
Fertilizer		2,536		152,160		55	2.0
Paints		12		6,000		55	
Unclassified			18,531		3,410,860		
Canned goods		1,192		179,670		55	5.4
General merchandise		1,879		295,911		55	7.2
Groceries		116		23,200		55	5.4
Ice		222		1,354		55	
Miscellaneous		15,122		2,910,725		55	7.2
Total, upbound	35,036	30,317	65,353		4,549,010		
DOWN BOUND.							
Animals and animal products			29,754		68,886		
Eggs		6		2,700		55	
Fish		607		20,386		55	5.4
Hides and skins		10		15,000		55	
Live stock—							
Cattle		6		580		55	
Horses		3		600		55	
Mules		2		500		55	
Shell	29,120			29,120		55	
Vegetable food products			8,661		612,725		
Cotton seed meal		2		150		55	
Fruit—							
Grape fruit		983		53,896		55	4.5
Oranges		3,410		238,980		55	4.5
Hay		10		300		55	2.1
Vegetables—							
Beans		18		1,053		55	
Cabbage		47		1,910		55	7.2
Celery		147		11,792		55	7.2
Lettuce		27		1,629		55	7.2
Potatoes, Irish		3,338		288,244		55	7.2
Tomatoes		128		10,248		55	7.2
Other vegetables		34		2,561		55	7.2
Soft drinks		3		122		55	
Sugar		12		1,440		55	
Strup		2		400		55	

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ST. JOHNS RIVER, JACKSONVILLE TO PALATKA—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons. By commodities. Bulk.	Amount in short tons. By commodities. Package.	Amount in short tons. By classes.	Value. By commodities.	Value. By classes.	Average haul.	Rate per ton-mile.
DOWN BOUND—continued.						*Miles.*	*Cents.*
Other vegetable products			385		$24,172		
Rosin		284		$12,055		55	
Turpentine		101		12,117		55	
Wood and paper			37,258		298,162		
Lumber—							
Cypress		29		720		55	
Cypress	4,192			140,000		55	
Pine		9		160		55	
Pine	5,953			68,388		55	
Laths		7		70		55	3.6
Shingles		20		300		55	3.6
Crossties	300			3,000		55	
Logs: Pine, floated	26,748			85,524		55	
Nonmetallic minerals			8		195		
Oil: Kerosene		3		120		55	
Salt		5		75		55	
Machinery and vehicles: Automobiles		6	6	9,000	9,000	55	7.2
Unclassified			1,881		317,017		
Canned goods		2		300		55	
Groceries		5		1,000		55	5.4
Ice		52		364		55	
Miscellaneous		1,822		315,353		55	7.2
Total downbound	66,313	11,640	77,953		1,330,157		
Total upbound and downbound	101,349	41,957	143,306		5,879,167		

SUMMARY.

Classes of commodities.	Amount in short tons. Upbound. Tons.	Upbound. Value.	Downbound. Tons.	Downbound. Value.	Total. Tons.	Total. Value.
Animals and animal products	291	$141,560	29,754	$68,886	30,045	$210,446
Vegetable food products	6,905	415,342	8,661	612,725	15,566	1,028,067
Other vegetable products	20	50,000	385	24,172	405	74,172
Textiles	20	30,000			20	30,000
Wood and paper	35,260	144,954	37,258	298,162	72,518	443,116
Nonmetallic minerals	565	24,284	8	195	573	24,479
Ores, metals, and manufactures	1,057	142,350			1,057	142,350
Machinery and vehicles	156	31,500	6	9,000	162	40,500
Chemicals	2,548	158,160			2,548	158,160
Unclassified	18,531	3,410,860	1,881	317,017	20,412	3,727,877
Total	65,353	4,549,010	77,953	1,330,157	143,306	5,879,167

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ST. JOHNS RIVER, JACKSONVILLE TO PALATKA—continued.

Vessel classification, 1921.

Classes.	Number.	Net registered tonnage.	Passengers.
AMERICAN.			
Registered:			
Steamers	1,914	233,400	22,111
Motor boats	858	10,568	1,944
Sail boats	8	4,000	.....
Unregistered:			
Motor boats	1,322	3,340	900
Lighters	556	50,620	.....
Rafts	434	61,784	.....
Total	5,092	363,752	24,955

The above includes both arrivals and departures. In addition there are approximately 100 small motor boats on this portion of the river.

ST. JOHNS RIVER, FLA., PALATKA TO LAKE HARNEY.

Comparative statement of traffic.[1]

Year.	Tons.		Value.	Passengers.	Year.	Tons.		Value.	Passengers.
	General merchandise.	Floated logs.				General merchandise.	Floated logs.		
1917	29,026	79,243	$1,398,809	23,670	1920	41,984	109,023	$3,422,277	17,374
1918	51,254	41,266	2,524,313	20,357	1921	54,483	116,585	4,076,494	12,840
1919	51,635	123,582	3,472,271	40,680					

[1] Includes some traffic pertaining to St. Johns River, Jacksonville to Palatka and Jacksonville to the ocean.

[Navigation season: Opened Jan. 1; closed Dec. 31.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.						*Miles.*	*Cents.*
Vegetable food products	.....	.....	2,266	.....	$116,790	.....	.....
Grain	.....	1,564	.....	$46,930	.....	147	1.8
Hay	.....	59	.....	4,461	.....	147	2.0
Sugar	.....	360	.....	50,575	.....	147	.....
Vegetables: Potatoes, Irish, seed	.....	283	.....	14,824	.....	147	6.4
Wood and paper	.....	.....	96	.....	4,213	.....	.....
Lumber—							
Crate material	.....	68	.....	3,073	.....	147	.....
Staves, barrel and cask	.....	28	.....	1,140	.....	147	.....
Nonmetallic minerals	.....	.....	177	.....	3,405	.....	.....
Cement	.....	82	.....	1,640	.....	147	1.3
Coal	.....	90	.....	1,520	.....	147	1.3
Oils—							
Gasoline	.....	1	.....	65	.....	147	.....
Kerosene	.....	4	.....	180	.....	147	.....
Machinery and vehicles: Automobiles	.....	6	6	8,727	8,727	147	4.3

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ST. JOHNS RIVER, FLA., PALATKA TO LAKE HARNEY—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND—continued.						*Miles.*	*Cents.*
Chemicals: Fertilizer		723	723	$360,620	$360,620	147	1
Unclassified			15,375		2,815,681		
Canned goods		462		64,638		147	
Ice		399		3,343		147	
Miscellaneous		14,514		2,747,700		147	5
Total upbound		18,643	18,643		3,009,436		
DOWN BOUND.							
Animals and animal products			29,899		178,394		
Fish		760		146,829		20	1
Live stock—							
Cattle		2		360		147	5
Horses		4		960		147	5
Mules		3		1,125		147	5
Shell	29,120			29,120		115	
Vegetable food products			4,180		266,497		
Fruit—							
Grapefruit		803		43,895		147	1.7
Oranges		2,647		174,054		147	1.7
Vegetables—							
Beans		18		1,053		147	2.7
Cabbage		35		1,430		147	2.7
Celery		147		11,792		147	2.7
Lettuce		27		1,629		147	2.7
Potatoes, Irish		351		20,992		147	6.4
Tomatoes		126		10,122		147	2.7
Other vegetables		26		1,530		147	2.7
Other vegetable products			258		13,592		
Naval stores—							
Rosin		178		3,575		147	1.3
Turpentine		80		10,017		147	2
Wood and paper			116,885		366,579		
Logs—							
Cypress	83,538			248,565		147	
Pine	33,047			117,514		147	
Wood, fuel	300			500		147	
Nonmetallic minerals			7		500		
Oils: Gasoline		7		500		147	
Machinery and vehicles: Automobiles		5	5	7,273	7,273	147	4.3
Unclassified: Miscellaneous		1,041	1,041	204,700	204,700	147	5
Total downbound	146,005	6,260	152,265		1,037,535		
Total upbound and downbound	146,005	24,903	170,908		4,046,971		
LOCAL.							
Animals and animal products: Fish	160		160	29,523	29,523	20	

The average haul and rate per ton-mile apply to through traffic to and from Jacksonville.

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ST. JOHNS RIVER, FLA., PALATKA TO LAKE HARNEY—continued.

SUMMARY.

Classes of commodities.	Domestic.						Total.	
	Upbound.		Downbound.		Local.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	.....	.....	29,889	$178,394	160	$29,523	30,049	$207,917
Vegetable food products	2,266	$116,790	4,180	266,497	.....	.....	6,446	383,287
Other vegetable products	.....	.....	258	13,592	.....	.....	258	13,592
Wood and paper	96	4,213	116,885	366,579	.....	.....	116,981	370,792
Nonmetallic minerals	177	3,405	7	500	.....	.....	184	3,905
Machinery and vehicles	6	8,727	5	7,273	.....	.....	11	16,000
Chemicals	723	60,620	.....	.....	.....	.....	723	60,620
Unclassified	15,375	2,815,681	1,041	204,700	.....	.....	16,416	3,020,381
Total	18,643	3,009,436	152,265	1,037,535	160	29,523	171,068	4,076,494

Vessel classification.

Classes.	Number.	Net registered tonnage.	Passengers.
AMERICAN.			
Registered:			
Steamers	364	120,805	10,951
Motor boats	594	10,978	1,889
Unregistered:			
Motor boats	1,068	3,808	.....
Lighters	312	18,720	.....
Rafts	793	116,585	.....
Total	3,151	270,896	12,840

The above includes both arrivals and departures. In addition there are about 50 small boats on this portion of the river.

LAKE CRESCENT AND DUNNS CREEK, FLA.

Comparative statement of traffic.

Year.	Tons.		Value.	Passengers.	Year.	Tons.		Value.	Passengers.
	General merchandise.	Floated logs.				General merchandise.	Floated logs.		
1917	6,696	8,541	$526,592	3,050	1920	3,509	49,993	$626,687	1,724
1918	4,450	6,358	366,070	4,736	1921	2,305	7,073	185,044	1,302
1919	3,628	52,824	517,112	2,454					

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LAKE CRESCENT AND DUNNS CREEK, FLA.—continued.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.						*Miles.*	*Cents.*
Vegetable food products			$168		$8,358		
Grain		47		$2,150		78	2.5
Vegetables: Potatoes, Irish, seed		121		6,208			
Chemicals: Fertilizer		695	695	49,000	49,000	78	2.5
Unclassified: Miscellaneous		237	237	33,300	33,300	78	8.7
Total upbound		1,100	1,100		90,658		
DOWN BOUND.							
Vegetable food products			1,161		64,270		
Fruit—							
Grapefruit		201		12,525		78	3.2
Oranges		683		36,745		78	3.2
Vegetables: Potatoes, Irish		277		15,000		78	3.2
Wood and paper			7,082		24,866		
Logs—							
Cypress, rafted	1,583			6,332		20	
Pine, rafted	5,490			18,454		20	
Lumber—							
Lath		2		10			
Shingles		7		70			
Unclassified: Miscellaneous		35	35	5,250	5,250		
Total downbound	7,073	1,205	8,278		94,386		
Total upbound and downbound	7,073	2,305	9,378		185,044		

The average haul and rate per ton-mile apply to through traffic between Crescent City and Jacksonville over Dunns Creek and St. Johns River.

SUMMARY.

Class of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products	168	$8,358	1,161	$64,270	1,329	$72,628
Wood and paper			7,082	24,866	7,082	24,866
Chemicals	695	49,000			695	49,000
Unclassified	237	33,300	35	5,250	272	38,550
Total	1,100	90,658	8,278	94,386	9,378	185,044

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LAKE CRESCENT AND DUNNS CREEK, FLA.—continued.

Vessel classification, 1921.

Classes.	Number.	Net registered tonnage.	Passengers.
AMERICAN.			
Registered:			
Steamers	10	3,950	52
Motor boats	56	2,072	.....
Unregistered:			
Motor boats	1,364	4,856	1,250
Lighters	100	6,000	.....
Rafts	69	7,073	.....
Total	1,599	23,951	1,302

The above includes both arrivals and departures. In addition there are approximately 25 motor boats on the lake.

OKLAWAHA RIVER, FLA.

Comparative statement of traffic.

Year.	Tons.			Value.	Passengers.
	General merchandise.	Ferry.	Floated logs.		
1917	2,363	1,715	7,306	$417,457	4,234
1918	300	1,131	4,290	241,397	2,451
1919	2,800	1,250	8,063	452,872	1,500
1920	2,862	(1)	7,411	[2] 216,509	[3] 1,000
1921	1,350	(1)	10,671	[2] 87,615	3,439

[1] See separate table. [2] Value of ferry traffic not included. [3] Estimated.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons.			Value.	
	By commodities.		By classes.	By commodities.	By classes.
	Bulk.	Package.			
UPBOUND.					
Vegetable food products	.....	.....	1,218	.....	$45,100
Grain	.....	8	.....	$400	.....
Fruit—					
Grapefruit	.....	160	.....	8,000	.....
Oranges	.....	900	.....	32,700	.....
Vegetables: Watermelons	.....	150	.....	4,000	.....
Total upbound	.....	1,218	1,218	.....	45,100
DOWN BOUND.					
Wood and paper	.....	.....	10,671	.....	35,595
Logs—					
Cypress, rafted	4,995	.....	.....	11,655	.....
Pine, rafted	5,676	.....	.....	23,940	.....
Chemicals: Fertilizer	.....	132	132	6,920	6,920
Total downbound	10,671	132	10,803	.....	42,515
Total upbound and downbound	10,671	1,350	12,021	.....	87,615

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OKLAWAHA RIVER, FLA.—continued.

FERRY TRAFFIC.

Commodities.	Short tons.	Value.	Commodities.	Short tons.	Value.
Barbed wire	6	$600	Machinery	10	$1,500
Bacon, salt	15	6,000	Meats, smoked	5	2,500
Butter	3	2,400	Molasses	5	400
Canned goods	200	30,000	Nails	15	1,500
Cast-iron pipe	200	12,000	Naval stores: Turpentine	3	750
Cement	100	1,500	Nitrate of soda	5	300
Cigars	1	3,000	Oil, lubricating	10	800
Cottonseed meal	50	2,500	Paints	10	4,000
Doors, sash, etc.	20	4,000	Rice	20	3,600
Drugs and supplies	12	12,000	Salt	15	225
Dry goods, etc.	25	25,000	Soft drinks	2	60
Fertilizer	250	12,500	Staves, barrel	40	400
Flour	45	5,400	Sugar	10	1,200
Furniture	10	5,000	Sirup	20	4,000
Fruits:			Tobacco	2	3,000
Apples	10	1,000	Vegetables:		
Bananas	4	160	Beans	2	200
Coconuts	1	100	Cabbage	5	240
Grapefruit	10	500	Celery	2	200
Oranges	10	500	Pineapples	1	120
General merchandise	11	1,500	Potatoes, Irish	50	3,000
Grain	200	12,000	Tomatoes	1	100
Groceries	50	10,000			
Hardware	20	3,000	Total	1,496	178,905
Lime	10	150			

The logs are rafted over the lower 50 miles of the river into the St. Johns River; the ferry traffic is across Lake Eustis at Eustis; the balance of the freight is confined to a few miles of the upper river and Lake Griffin. There are no rates on the river.

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products	1,218	$45,100			1,218	$45,100
Wood and paper			10,671	$35,595	10,671	35,595
Chemicals			132	6,920	132	6,920
Total	1,218	45,100	10,803	42,515	12,021	87,615

General ferry, short tons, 1,496; value, $178,905.

Vessel classification, 1921.

Classes.	Number.	Net registered tonnage.	Passengers.
AMERICAN.			
Registered motor boats	854	19,558	1,939
Unregistered:			
Motor boats	414	1,402	1,500
Lighters	40	2,000	
Rafts	77	10,671	
Total	1,385	33,631	3,439

The above includes both arrivals and departures. In addition there are approximately 400 small motor boats on the river and upper lakes.

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INDIAN RIVER, FLA.

Comparative statement of traffic.

Year.	Tons.		Value.	Passengers.	Year.	Tons.		Value.	Passengers.
	General merchandise.	Ferry.				General merchandise.	Ferry.		
1917	10,753	41,414	$1,295,018	9,000	1920	6,902	.....	[2] $742,633	5,360
1918	1,643	6,092	976,982	5,675	1921	8,010	(1)	[2] 592,702	8,500
1919	1,623	7,992	1,101,840	5,800					

[1] See table below. [2] Value of general ferry traffic not included.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons.			Value.	
	By commodities.		By classes.	By commodities.	By classes.
	Bulk.	Packages.			
INTERNAL.					
Animals and animal products	.....	.....	1,646	.....	$166,152
Fish	1,496	.....	.....	$161,152	.....
Oysters	150	.....	.....	5,000	.....
Vegetable food products	.....	.....	1,974	.....	115,280
Flour	.....	214	.....	25,680	.....
Grain	.....	160	.....	9,600	.....
Fruits: Grapefruit and oranges	.....	1,600	.....	80,000	.....
Other vegetable products	.....	.....	152	.....	17,900
Naval stores—					
Rosin	.....	100	.....	7,500	.....
Turpentine	.....	52	.....	10,400	.....
Wood and paper	.....	.....	30	.....	1,500
Lumber: Crate material	.....	30	.....	1,500	.....
Nonmetallic minerals: Oils, refined	3,214	.....	3,214	176,770	176,770
Ores, metals, and manufactures: Hardware	.....	53	53	7,950	7,950
Chemicals: Fertilizer	.....	200	200	6,000	6,000
Unclassified	.....	.....	741	.....	101,150
Canned goods	.....	641	.....	96,150	.....
Miscellaneous	.....	100	.....	5,000	.....
Total	4,860	3,150	8,010	.....	592,702

GENERAL FERRY.

Commodities.	Amount in short tons.	Value.
Building material	10	$2,000
Fertilizer	185	9,250
Grapefruit and oranges	815	50,925
Groceries	8	1,600
Hardware	4	600
Hay and grain	40	1,950
Live stock	15	2,250
Lumber: Pine	25	312
Miscellaneous	3	500
Oils, machine	12	960
Total	1,117	70,347

Of the internal traffic, the oils were carried in private boats from Jacksonville to points on the Indian River, an average haul of 310 miles; the fish and fruit had an average haul of 30 miles. The general ferry traffic was between points on the island and near-by railroad connections. There are no rates on the river.

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INDIAN RIVER, FLA.—continued.

Vessel classification, 1921.

Classes.	Number.	Net registered tonnage.	Passengers.
AMERICAN.			
Registered motor boats	946	12,592	8,500
Unregistered motor boats	1,025	2,762	.....
Total	1,971	15,354	8,500

The above includes both arrivals and departures. In addition there are about 300 launches in the fishing business, and many small motor boats on the river that carry a large amount of freight locally; also many tourist yachts use the river during the winter season.

ST. LUCIE INLET, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1917	322	$41,853	1920	1,115	$133,227
1918	720	86,400	1921	323	41,870
1919	588	123,480			

[Navigation season: Opened Jan. 1; closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
LOCAL.					
Animals and animal products: Fish	323	.....	323	$41,870	$41,870

Vessel classification.

There were approximately 100 small motor boats in the fishing trade that passed through the inlet very frequently. In addition, numerous private tourist yachts used the inlet frequently in the winter season. This class of commerce did not use the Government channel, which is not yet available.

HARBOR AT MIAMI (BISCAYNE BAY), FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1917	244,380	$6,037,180	4,884	1920	333,240	$9,008,448	85,450
1918	144,479	5,996,640	154,620	1921	332,325	8,388,156	67,894
1919	240,222	7,694,098	92,345				

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MIAMI HARBOR, FLA.—continued.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products		1,947		$132,010
Fruit—				
Bananas	810		$32,400	
Coconuts	8		640	
Sapodilla	40		3,200	
Vegetables—				
Peppers	7		870	
Pineapples	152		1,900	
Tomatoes	321		32,100	
Other vegetables	609		60,900	
Nonmetallic minerals		50,775		1,223,626
Oils—				
Crude	40,034		360,402	
Gasoline	8,769		789,210	
Kerosene	1,574		70,830	
Machine	398		3,184	
Machinery and vehicles: Automobiles	5	5	14,000	14,000
Unclassified: Miscellaneous	295	295	52,816	52,816
Total		53,022		1,422,452
EXPORTS.				
Animals and animal products: Meats	104	104	39,680	39,680
Vegetable food products		200		22,881
Fruit	30		3,000	
Flour	1		150	
Grain	112		4,171	
Packing-house products	50		15,000	
Vegetables	7		560	
Other vegetable products: Drugs	12	12	9,360	9,360
Textiles: Dry goods	18	18	38,120	38,120
Wood and paper: Furniture	21	4,829	4,200	79,254
Lumber—				
Pine	4,027		52,830	
Crate material	227		13,417	
Shingles	512		7,757	
Lumber n. o. s	42		1,050	
Nonmetallic minerals		613		55,403
Cement	211		6,712	
Coal	27		300	
Lime	10		234	
Oils—				
Gasoline	327		43,972	
Kerosene	30		3,311	
Mixed	8		874	
Ores, metals and manufactures: Hardware	34	34	14,978	14,978
Machinery and vehicles		38		28,350
Automobiles	32	168	26,550	8,893
Machinery	6		1,800	
Chemicals: Fertilizer	168	168	8,893	8,893
Unclassified		3,091		182,323
Groceries	722		84,628	
Ice	1,964		22,250	
Miscellaneous	405		75,445	
Total		9,107		479,242
Total imports and exports		62,129		1,901,694

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MIAMI HARBOR, FLA.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons.			Value.	
	By commodities.		By classes.	By commodities.	By classes.
	Bulk.	Package.			
RECEIPTS, COASTWISE.					
Animals and animal products: Bacon		2	2	$1,000	$1,000
Vegetable food products			1,874		186,390
Flour		1,241		124,100	
Fruits—Citrus		539		53,900	
Grain		21		1,050	
Sugar		25		3,500	
Vegetables—Other vegetables		48		3,840	
Textiles: Cotton linters		90	90	27,000	27,000
Wood and paper: Furniture		604	604	362,400	362,400
Nonmetallic minerals			26,000		233,910
Oils—Crude		26,000		233,910	
Ores, metals and manufactures			96		13,680
Cast-iron pipe		8		480	
Manufactured iron		88		13,200	
Machinery and vehicles			294		165,900
Automobiles	90			120,000	
Machinery		204		45,900	
Unclassified			17,570		2,639,800
Canned goods		151		30,200	
General merchandise		17,272		2,590,800	
Miscellaneous		147		18,800	
Total	90	46,440	46,530		3,630,080
SHIPMENTS, COASTWISE.					
Vegetable food products			1,469		110,175
Fruits—Citrus		1,469		110,175	
Unclassified: General merchandise		9,275	9,275	1,391,250	1,391,250
Total		10,744	10,744		1,501,425
Total receipts and shipments	90	57,184	57,274		5,131,505
LOCAL.					
Animals and animal products			283		57,600
Fish	280			57,000	
Meats		3		600	
Vegetable food products			10,761		19,130
Flour		5		700	
Fruit—Other fruit		4		500	
Rice		2		175	
Sugar		3		300	
Sirup		2		300	
Vegetables—					
Cabbage		3		180	
Potatoes, Irish		4		300	
Potatoes, sweet		4		300	
Other vegetables		2		375	
Water	10,732			16,000	
Wood and paper			7,019		68,500
Logs, pine	2,513			17,500	
Lumber, pine	4,106			50,200	
Wood	400			800	
Nonmetallic minerals			183,506		1,109,660
Brick	25			500	
Cement		3,005		60,100	
Oils—					
Crude	3,156			60,060	
Gasoline	8,288			745,980	
Kerosene	1,327			59,950	
Machine	120			9,800	
Rock	63,787			116,682	
Sand	103,798			56,588	
Ores, metals and manufactures			460		74,800
Cast-iron pipe		60		4,800	
Hardware		300		60,000	
Manufactured iron		100		10,000	
Unclassified			10,893		25,267
Canned goods		30		5,000	
Groceries		38		7,500	
Miscellaneous		8		1,950	
Muck	10,817			10,817	
Total	299,349	3,573	212,922		1,354,957

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MIAMI HARBOR, FLA.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Local.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			104	$39,680	2	$1,000	283	$57,600	389	$98,280
Vegetable food products	1,947	$132,010	200	22,881	3,343	296,565	10,761	19,130	16,251	470,586
Other vegetable products			12	9,360					12	9,360
Textiles			18	38,120	90	27,000			108	65,120
Wood and paper			4,829	79,254	604	362,400	7,019	68,500	12,452	510,154
Nonmetallic minerals	50,775	1,223,626	613	55,403	26,000	233,910	183,506	1,109,660	260,894	2,622,599
Ores, metals and manufactures			34	14,978	96	13,680	460	74,800	590	103,458
Machinery and vehicles	5	14,000	38	28,350	294	165,900			337	208,250
Chemicals			168	8,893					168	8,893
Unclassified	295	52,816	3,091	182,323	26,845	4,031,050	10,893	25,267	41,124	4,291,456
Total	53,022	1,422,452	9,107	479,242	57,274	5,131,505	212,922	1,354,957	332,325	8,388,156

Vessel classification, 1921.

Classes.	American.		Foreign.		Total.	Net registered tonnage.	Passengers.
	Foreign trade.	Coastwise trade.	Foreign trade.	Coastwise trade.			
Registered:							
Steamers	276	204			480	449,498	8,868
Motor boats	128	6,604	191		6,923	99,556	[1] 58,956
Sailboats			51		51	4,173	
Barges		24			24	21,600	
Unregistered:							
Motor boats		16,830			16,830	56,220	
Lighters		11,906			11,906	1,226,000	
Total	404	35,568	242		36,214	1,857,047	67,824

[1] Including 47,762 local passengers on the bay.

The above includes both arrivals and departures.

HARBOR AT KEY WEST, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1917	745,056	$46,324,318	44,124	1920	[2] 237,637	$24,727,130	85,436
1918	823,435	52,405,390	23,481	1921	[3] 515,078	27,570,452	72,318
1919	[1] 1,980,347	178,468,699	58,452				

[1] This includes 455,731 short tons, cargo in transit, valued at $109,287,354; it also includes car-ferry traffic, figures for which are not available. These two classes of traffic are included in previous years, it being impracti-able to separate them.

[2] Exclusive of 664,157 tons, car-ferry traffic, valued at $98,567,018, and 180,966 tons, cargoes in transit, valued at $199,884,800.

[3] Exclusive of 356,119 tons, car-ferry traffic, valued at $46,142,266, and 481,083 tons, cargoes in transit, valued at $51,747,439.

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HARBOR AT KEY WEST, FLA.—continued.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products		296		$45,115
Cheese	2		$972	
Fish	2		698	
Hides and skins	72		23,945	
Turtles and soups	220		19,500	
Vegetable food products		14,946		1,066,498
Bananas	988		7,500	
Grapefruit	2,580		212,999	
Other fruit	2,300		172,500	
Molasses	8,041		603,075	
Rice	4		3,302	
Vegetables	1,033		67,122	
Other vegetable products: Tobacco	2,140	2,140	5,074,529	5,074,529
Wood and paper		800		93,000
Logs: Spanish cedar	800		93,000	
Nonmetallic minerals		106,824		1,068,141
Clay	1		7	
Oils: Crude	106,823		1,068,134	
Machinery and vehicles		163		67,342
Automobiles	66		46,342	
Machinery	97		21,000	
Unclassified: Miscellaneous	2,850	2,850	628,460	628,460
Total	128,019	128,019		8,043,085
EXPORTS.				
Animals and animal products: Fish	1,275	1,275	174,291	174,291
Vegetable food products		550		90,661
Bran	46		1,756	
Fruit: Pears	504		88,905	
Other vegetable products: Tires, auto	521	521	692,336	692,336
Wood and paper		1,112		400,430
Furniture	960		370,221	
Staves, barrel	152		30,209	
Nonmetallic minerals		1,248		19,314
Clay, fire	854		11,685	
Salt	394		7,629	
Ores, metals and manufactures		904		219,707
Barbed wire	664		191,452	
Nails	240		28,255	
Unclassified		5,839		1,148,757
Canned goods	1,273		484,233	
Miscellaneous	4,566		664,524	
Total	11,449	11,449	2,745,496	2,745,496
Total imports and exports		139,468		10,788,581

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HARBOR AT KEY WEST, FLA.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons.			Value.	
	By commodities.		By classes.	By commodities.	By classes.
	Bulk.	Package.			
RECEIPTS, COASTWISE.					
Animals and animal products			373		$195,500
Butter		5		$4,000	
Eggs		135		67,500	
Live stock		34		6,800	
Meats, smoked		118		76,700	
Poultry		81		40,500	
Vegetable food products			3,157		356,920
Flour		694		69,400	
Apples		102		10,200	
Bananas		10		400	
Other fruit		33		1,320	
Grain		120		6,000	
Hay		74		2,220	
Packing-house products		154		38,500	
Rice		391		78,200	
Sugar		714		99,960	
Sirup		20		4,000	
Potatoes, Irish		667		33,350	
Potatoes, sweet		29		1,450	
Other vegetables		149		11,920	
Other vegetable products, except fibers and wood			660		1,985,000
Cigars		398		1,592,000	
Drugs		262		393,000	
Textiles: Dry goods, etc		73	73	73,000	73,000
Wood and paper: Furniture		25	25	20,000	20,000
Nonmetallic minerals			113,859		1,176,843
Cement		543		6,516	
Coal	2,828			23,688	
Fuller's earth		461		11,525	
Lime		14		210	
Crude oil	109,345			1,107,414	
Gasoline	308			22,000	
Kerosene	63			2,520	
Salt		297		2,970	
Ores, metals, and manufactures, except machinery and vehicles			6,227		2,328,760
Cable, submarine	5,500			2,200,000	
Hardware		706		127,080	
Manufactured iron		21		1,680	
Machinery and vehicles			128		26,000
Automobiles	8			8,000	
Machinery		120		18,000	
Chemicals			234,724		7,099,530
Fertilizer material		234,601		7,038,030	
Paints		123		61,500	
Unclassified			8,305		1,033,237
Canned goods		1,879		390,800	
General merchandise		6,200		569,821	
Groceries		114		34,200	
Miscellaneous		112		38,416	
Total receipts, coastwise	118,052	249,479	367,531		14,294,790
SHIPMENTS, COASTWISE.					
Animals and animal products			962		135,580
Clams, canned		889		106,680	
Sponges		11		16,500	
Turtles and soup		62		12,400	
Vegetable food products			147		17,475
Citrus fruits		55		4,125	
Other fruits		6		450	
Tomatoes		86		12,900	
Other vegetable products			648		1,976,000
Cigars		340		1,360,000	
Tobacco		308		616,000	

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HARBOR AT KEY WEST, FLA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons.			Value.	
	By commodities.		By classes.	By commodities.	By classes.
	Bulk.	Package.			
SHIPMENTS, COASTWISE—continued.					
Machinery and vehicles: Automobiles	8		8	$8,000	$8,000
Unclassified			435		167,213
General merchandise		284		115,379	
Miscellaneous		151		51,834	
Total shipments, coastwise	8	2,192	2,200		2,304,268
Total receipts and shipments	118,060	251,671	369,731		16,599,058
RECEIPTS, LOCAL.					
Animals and animal products: Fish	415		415	91,600	91,600
SHIPMENTS, LOCAL.					
Vegetable food products: Water	4,582		4,582	10,963	10,963
Nonmetallic minerals			92		65,850
Gasoline	87			65,000	
Kerosene	5			1,850	
Unclassified			790		13,400
General merchandise		50		7,000	
Ice	740			6,400	
Total	5,414	50	5,464		91,213
Total receipts and shipments	5,829	50	5,879		182,813

RAILROAD CAR FERRY.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Acid	709	$64,170	Pine lumber	10,210	$1,613,117
Automobiles	377	446,310	Crate material	5,350	193,278
Bacon, salt	6,043	1,816,517	Crossties	450	41,017
Brick	12,045	1,026,198	Machinery	24,707	8,473,627
Bottles	7,797	647,753	Manufactured iron and steel	7,347	1,019,180
Butter	295	234,127	Miscellaneous	12,261	1,396,365
Coal and coke	4,956	41,833	Molasses	24,508	55,990
Eggs	10,119	3,942,536	Rosin	2,433	89,344
Fertilizer	4,689	326,402	Gasoline	524	38,618
Flour	14,439	1,428,012	Machine oil	1,761	103,995
Fruit: Apples	1,484	187,569	Ores	32	750
Other fruit	6,655	269,183	Packing-house products	24,214	6,809,387
Grain	7,439	324,946	Paints	53	7,203
Glassware	1,054	330,886	Poultry	195	62,826
Hay	1,131	30,456	Railroad supplies	60,257	8,824,955
Iron pipe	6,266	804,996	Roofing	4,331	258,637
Live stock:			Soap stock	3,461	286,403
Cattle	732	611,894	Sugar	30,135	1,026,011
Hogs	7,984	980,410	Vegetables	48,391	2,027,805
Horses	808	190,464			
Mules	252	85,974			
Sheep	225	23,122	Total	356,119	46,142,266

CARGOES IN TRANSIT.

Ammunitions	118	$927,925	Clothing	105	160,000
Automobiles	21	21,000	Coal	14,500	217,500
Bagging	1,576	157,542	Coffee	2,660	1,330,000
Broom corn	19	2,660,000	Cordage	77	92,000
Butter	5	4,000	Cotton	43,037	15,493,320
Cable, steel	266	30,000	Cotton piece goods	89	178,600
Canned goods	5,241	574,800	Dry goods	48	72,000
Cement	427	42,000	Eggs	532	373,912

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HARBOR AT KEY WEST, FLA.—continued.

CARGOES IN TRANSIT—Continued.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Fertilizer material	295,905	$8,877,150	Paints, etc	724	$261,000
Fish	675	90,845	Paper	865	86,500
Flour	5,807	580,700	Phosphates	6,000	30,000
Apples	19	1,900	Plaster	1,728	172,800
Bananas	23	920	Rice	6,666	666,600
Coconuts	500	8,000	Roofing material	27	27,500
Other fruits	1,751	310,000	Rope	700	210,000
Furniture	272	40,000	Rosin	1,360	109,000
General merchandise	4,077	626,400	Salt	304	3,040
Grain	625	27,900	Soap	1,828	355,000
Groceries	752	113,000	Soda, lye, etc	3,473	459,000
Hardware	944	67,500	Stone, marble and granite	441	44,100
Hides	83	12,000	Sugar	271	54,200
Iron pipe	1,357	260,000	Tobacco	3,760	7,520,000
Ixtle	1,383	1,383,100	Twine	50	60,000
Lard	972	195,000	Cabbage	27	1,089
Live stock	2,606	390,900	Onions	1,916	268,400
Lumber	9,475	207,000	Potatoes, Irish	300	16,500
Machinery	475	56,600	Potatoes, sweet	50	2,500
Manufactured iron	1,960	102,500	Watermelons	104	1,560
Miscellaneous	6,377	1,252,400	Other vegetables	4,214	479,720
Nails	655	81,000	Vinegar	739	64,000
Nuts	446	267,600	Wire	624	55,000
Crude oil	24,900	224,125	Wool and mohair	4,647	1,858,800
Oilcloth	105	20,000			
Ore and copper	9,400	1,410,000	Total	481,083	51,747,439

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Import.		Export.		Coastwise.		Local.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	296	$45,115	1,275	$174,291	1,335	$331,080	415	$91,600	3,321	$642,086
Vegetable food products	14,946	1,066,498	550	90,661	3,304	374,395	4,582	10,963	23,382	1,542,517
Other vegetable products	2,140	5,074,529	521	692,336	1,308	3,961,000	.....	.....	3,969	9,727,865
Textiles	.....	.....	.....	.....	73	73,000	.....	.....	73	73,000
Wood and paper	800	93,000	1,112	400,430	25	20,000	.....	.....	1,937	513,430
Nonmetallic minerals	106,824	1,068,141	1,248	19,314	113,859	1,176,843	92	66,850	222,023	2,331,148
Ores, metal, and manufactures	.....	.....	904	219,707	6,227	2,328,760	.....	.....	7,131	2,548,467
Machinery and vehicles	163	67,342	.....	.....	136	34,000	.....	.....	299	101,342
Chemicals	.....	.....	.....	.....	234,724	7,099,530	.....	.....	234,724	7,099,530
Unclassified	2,850	628,460	5,839	1,148,757	8,740	1,200,450	790	13,400	18,219	2,991,067
Total	128,019	8,043,085	11,449	2,745,496	369,731	16,599,058	5,879	182,813	515,078	27,570,452

	Short tons.	Value.
Railroad car ferry	356,119	$46,142,266
Cargoes in transit	481,083	51,747,439

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HARBOR AT KEY WEST, FLA.—continued.

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.	Net registered tonnage.	Passengers.
Registered:					
Steamers	2,144	231	2,375	3,810,364	72,318
Steamers (car ferry)	1,072	.....	1,072	1,216,612	.....
Naval vessels	106	.....	106	266,635	.....
Motor boats	224	.....	224	17,174	.....
Sailboats	180	77	257	115,454	.....
Barges	463	.....	463	38,517	.....
Total	4,189	318	4,497	5,464,756	72,318

The above includes both arrivals and departures. In addition there are many sailboats in the sponge industry and small motor boats in the fishing business; the actual data is not available.

KISSIMMEE RIVER, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1917	12,014	$313,974	100	1920	7,125	$307,500	[1] 1,000
1918	10,181	395,253	1,650	1921	2,215	163,290	[1] 500
1919	10,508	869,285	1,480				

[1] Estimated.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons.			Value.		Average haul.
	By commodities.		By classes.	By commodities.	By classes.	
	Bulk.	Package.				
INTERNAL.						*Miles.*
Animals and animal products: Fish	250	.....	250	$50,000	$50,000	10
Vegetable food products	.....	.....	1,135	.....	83,100	.....
Citrus fruits	.....	1,000	.....	75,000	.....	10
Grain and feed	.....	135	.....	8,100	.....	55
Wood and paper: Lumber	.....	12	12	320	320	30
Nonmetallic minerals	.....	.....	419	.....	8,670	.....
Gasoline	.....	110	.....	7,832	.....	55
Kerosene	.....	5	.....	210	.....	55
Machine	.....	4	.....	328	.....	55
Sand	300	.....	.....	300	.....	10
Ores, metals and manufactures: Barbed wire	.....	4	4	400	400	30
Unclassified	.....	.....	395	.....	20,800	.....
Canned goods	.....	12	.....	2,400	.....	55
General merchandise	.....	73	.....	14,600	.....	30
Groceries	.....	10	.....	2,000	.....	55
Ice	.....	300	.....	1,800	.....	30
Total	550	1,665	2,215	.....	163,290	.....

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KISSIMMEE RIVER, FLA.—continued.

Vessel classification, 1921.

Classes.	Number.	Net registered tonnage.	Passengers.
AMERICAN.			
Registered steamers	24	336	[1] 200
Unregistered:			
Motor boats	80	320	[1] 300
Lighters	104	3,120	
Total	208	3,956	[1] 500

[1] Estimated.

The above includes both arrivals and departures. In addition there are approximately 100 small motor boats on the river and lakes.

CALOOSAHATCHEE RIVER, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1917	35,089	$3,210,583	22,989	1920	38,454	$2,423,761	9,432
1918	19,828	1,601,451	15,903	1921	46,485	3,168,544	9,187
1919	29,117	2,237,685	11,308				

[Navigation season: Opened Jan. 1; closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.[1]						*Miles.*	*Cents.*
Animals and animal products			506		$91,680		
Fish	501			$90,180			
Live stock: Mules		5		1,500			
Vegetable food products			1,885		113,600		
Fruits		11		550			
Grain		1,795		107,700			
Hay		39		1,170			
Sugar		15		1,800			
Tomatoes		19		1,900			
Other vegetables		6		480			
Other vegetable products:							
Drugs and supplies		2	2	2,000	2,000		
Textiles: Dry goods		8	8	9,600	9,600		
Wood and paper: Furniture		10	10	8,000	8,000		
Nonmetallic minerals			1,430		83,680		
Cement		20		400			
Oils, mixed	1,380			82,800			
Salt		30		480			
Ores, metals, and manufactures of			35		3,650		
Cast-iron pipe		15		900			
Hardware		15		2,250			
Nails		5		500			

[1] Citrus fruits reported formerly under "Coastwise receipts" are now reported under "Internal, downbound," where more correct information indicates they belong.

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CALOOSAHATCHEE RIVER, FLA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE—contd.							
						Miles.	*Cents.*
Machinery and vehicles: Automobiles		4	4	$3,200	$3,200		
Unclassified			2,000		366,600		
Canned goods		67		1,050			
Groceries		1,512		302,400			
Miscellaneous		421		63,150			
Total	1,881	3,999	5,880		682,010		
SHIPMENTS, COASTWISE.							
Vegetable food products			139		8,180		
Grain		133		7,980			
Hay		2		60			
Soft drinks		4		140			
Wood and paper			295		27,356		
Furniture		36		21,600			
Pine lumber		238		5,236			
Crate material		6		150			
Shingles		15		370			
Nonmetallic minerals			374		23,529		
Brick	25			150			
Cement		25		375			
Oils, gasoline		324		23,004			
Ores, metals, and manufactures of			101		14,900		
Hardware		96		14,400			
Nails		5		500			
Chemicals: Fertilizer		28	28	1,680	1,680		
Unclassified			1,707		146,920		
Groceries		381		76,200			
Ice		884		4,420			
Miscellaneous		442		66,300			
Total	25	2,619	2,644		222,565		
Total receipts and shipments	1,906	6,618	8,524		904,575		
INTERNAL, UPBOUND.[1]							
Animals and animal products			9		3,065		
Bacon		5		630		30	13
Meats, smoked		2		2,000		30	13
Poultry		2		435		30	26
Vegetable food products			1,972		121,446		
Cottonseed meal		20		1,000		45	10
Flour		21		2,100		30	7
Apples		2		200		30	
Bananas		2		80		30	
Grain		1,800		108,000		30	10
Hay		45		1,410		30	13
Linseed oil		2		640			21
Rice		20		2,800		30	13
Soft drinks		2		80		30	26
Sugar		18		2,520		30	13
Sirup		8		1,140		30	14
Cabbage		10		400		30	
Tomatoes		7		701		30	
Watermelons		15		375		30	
Other vegetable products			12		11,600		
Cigars		2		4,500			26
Drugs		1		2,000		30	26
Plants and shrubs		7		2,100		30	13
Tobacco		2		3,000		30	21
Textiles: Dry goods		21	21	10,400	10,400	30	26

[1] "Upbound" includes all commodities shipped from Fort Myers for distribution to local river points, whether up river or down river from Fort Myers; "downbound" includes all commodities shipped to Fort Myers from local river points, whether down river or up river from Fort Myers.

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CALOOSAHATCHEE RIVER, FLA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INTERNAL, UPBOUND—contd.						*Miles.*	*Cents.*
Wood and paper			640		$24,160		
Doors, sash, etc		10		$4,000		30	21
Furniture		3		2,500		30	
Crate material		503		13,750		30	
Lath		5		100		30	
Pine		103		3,570		30	
Shingles		16		240		30	
Nonmetallic minerals			369		18,652		
Cement		125		4,000		30	26
Coal	20			200		30	
Lime		10		200		30	10
Gasoline		118		9,140		30	
Kerosene		85		4,230		30	
Machine		6		782		30	
Salt		5		100		30	10
Ores, metals, and manufactures			78		11,090		
Barbed wire		3		390		30	13
Cast-iron pipe		20		1,200		30	13
Hardware		40		8,000		30	23
Nails		15		1,500		30	13
Machinery and vehicles: Machinery		10	10	2,000	2,000	30	
Chemicals			2,470		129,880		
Fertilizer		2,421		125,350		30	08
Fertilizer material		20		800		30	08
Nitrate of soda		20		1,280			08
Paints		9		2,450		30	21
Unclassified			1,783		281,530		
Canned goods		130		14,530		30	21
General merchandise		780		144,000		30	26
Groceries		5		1,000		30	23
Ice		5		50			
Miscellaneous		863		121,950		30	
Total	20	7,344	7,364		613,823		
INTERNAL, DOWN BOUND.[2]							
Animals and animal products			9,917		24,836		
Eggs		1		336		30	23
Hides and skins		10		5,000		30	13
Cattle		5		500			
Hogs		4		400			
Horses		2		1,500			
Mules		4		2,100			
Shell	9,891			15,000			13
Vegetable food products			18,344		1,396,000		
Grape fruit and oranges		17,790		1,334,250		30	13
Other fruits		87		4,350		30	
Honey		2		400		30	13
Tomatoes		238		30,000		30	
Other vegetables		227		27,000		30	
Other vegetable products			75		6,590		
Rosin		68		5,550		30	
Turpentine		7		1,040		30	
Wood and paper			544		5,600		
Logs, pine	144			1,800			
Lumber, crossties	400			3,800		30	
Nonmetallic minerals: Sand	300			320		30	13
Unclassified: Miscellaneous		1,417	1,417	216,800	216,800	30	
Total	10,735	19,862	30,597		1,650,146		
Total upbound and down bound	10,755	27,206	37,961		2,263,969		

[2] "Upbound" includes all commodities shipped from Fort Myers for distribution to local river points, whether up river or down river from Fort Myers; "downbound" includes all commodities shipped to Fort Myers from local river points, whether down river or up river from Fort Myers.

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CALOOSAHATCHEE RIVER, FLA.—continued.

SUMMARY.

Classes of commodities.	Coastwise.		Internal.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	506	$91,680	9,926	$27,901	10,432	$119,581
Vegetable food products	2,024	121,780	20,316	1,517,446	22,340	1,639,226
Other vegetable products	2	2,000	87	18,190	89	20,190
Textiles	8	9,600	21	10,400	29	20,000
Wood and paper	305	35,356	1,184	29,760	1,489	65,116
Nonmetallic minerals	1,804	107,209	669	18,972	2,473	126,181
Ores, metals, and manufactures	136	18,550	78	11,090	214	29,640
Machinery and vehicles	4	3,200	10	2,000	14	5,200
Chemicals	28	1,680	2,470	129,880	2,498	131,560
Unclassified	3,707	513,520	3,200	498,330	6,907	1,011,850
Total	8,524	904,575	37,961	2,263,969	46,485	3,168,544

Vessel classification, 1921.

Classes.	Number.	Net registered tonnage.	Passengers.
AMERICAN.			
Registered:			
Steamers	1,222	43,200	9,157
Motor boats	684	20,540	30
Unregistered:			
Motor boats	125	395	.....
Lighters	80	8,000	.....
Total	2,111	72,135	9,187

The above includes both arrivals and departures. In addition there are approximately 250 small motor boats on the river.

ORANGE RIVER, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1917	130	$6,320	1920	360	$22,510
1918	400	24,000	1921	1,805	133,170
1919	(1)	(1)			

[1] No statistics available.

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ORANGE RIVER, FLA.—continued.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons.			Value.		Average haul (miles).
	By commodities.		By classes.	By commodities.	By classes.	
	Bulk.	Package.				
INTERNAL, UPBOUND.						
Wood and paper: Pine lumber	45	.....	45	$1,170	$1,170	11
INTERNAL, DOWN BOUND.						
Vegetable food products: Grape fruit and oranges	.....	1,760	1,760	132,000	132,000	11
Total upbound and down bound	45	1,760	1,805	.....	133,170	.....

Vessel classification, 1921.

Classes.	Number.	Net registered tonnage.
AMERICAN.		
Unregistered:		
Motor boats	20	80
Lighters	40	4,000
Total	60	4,080

The above includes both arrivals and departures. In addition, about 25 small motor boats on the river make occasional trips.

CHARLOTTE HARBOR, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1917	304,095	$1,902,042	749	1920	497,563	$3,610,904	1,489
1918	219,992	1,991,026	1,625	1921	303,576	2,181,177	2,050
1919	235,852	2,079,188	1,200				

[Navigation season: Opened, Jan. 1; closed, Dec. 31, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Chemicals: Phosphate, pebble	89,708	89,708	448,540	448,540

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CHARLOTTE HARBOR, FLA.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons.			Value.	
	By commodities.		By classes.	By commodities.	By classes.
	Bulk.	Package.			
RECEIPTS, COASTWISE.					
Nonmetallic minerals: Mixed oils	620		620	$37,200	$37,200
SHIPMENTS, COASTWISE.					
Chemicals: Phosphate, pebble	199,323		199,323	996,615	996,615
Total receipts and shipments	199,943		199,943		1,033,815
LOCAL.					
Animals and animal products			4,152		476,482
Fish	4,137			472,282	
Live stock		12		2,400	
Meats, smoked		2		1,400	
Poultry		1		400	
Vegetable food products			610		37,075
Cottonseed meal		2		100	
Flour		4		400	
Citrus fruits		400		25,000	
Grain		125		6,250	
Hay		10		300	
Honey		2		400	
Rice		5		600	
Soft drinks		25		875	
Sugar		5		650	
Vegetables		32		2,500	
Other vegetable products: Plants and shrubs		10	10	2,000	2,000
Wood and paper			730		15,513
Doors, sash, etc		2		400	
Furniture		6		2,400	
Pine lumber		337		8,088	
Crate material		125		3,125	
Shingles		20		300	
Wood		240		1,200	
Nonmetallic minerals			461		24,008
Cement		95		1,425	
Lime		10		120	
Gasoline		223		15,400	
Kerosene		118		5,863	
Machine		15		1,200	
Ores, metals and manufactures: Hardware		5	5	750	750
Machinery and vehicles			50		21,000
Automobiles		30		18,000	
Machinery		20		3,000	
Chemicals			212		10,744
Fertilizer		200		10,000	
Nitrate of soda		12		744	
Unclassified			7,695		111,250
Canned goods		135		20,250	
Groceries		38		9,500	
Ice		7,220		36,100	
Miscellaneous		302		45,400	
Total	4,137	9,788	13,925		698,832

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CHARLOTTE HARBOR, FLA.—continued.

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic.				Total.	
			Coastwise.		Local.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products					4,152	$476,482	4,152	$476,482
Vegetable food products					610	37,075	610	37,075
Other vegetable products					10	2,000	10	2,000
Wood and paper					730	15,513	730	15,513
Nonmetallic minerals			620	$37,200	461	24,008	1,081	61,208
Ores, metals and manufactures					5	750	5	750
Machinery and vehicles					50	21,000	50	21,000
Chemicals	89,708	$448,540	199,323	996,615	212	10,744	289,243	1,455,899
Unclassified					7,695	111,250	7,695	111,250
Total	89,708	448,540	199,943	1,033,815	13,925	698,822	303,576	2,181,177

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.	Net registered tonnage.	Passengers.
Registered:					
Steamers	96	22	118	284,584	
Sail boats	6		6	7,982	
Motor boats	1,668		1,668	22,864	2,050
Unregistered: Motor boats	3,160		3,160	9,480	
Total	4,930	22	4,952	324,910	2,050

The above includes both arrivals and departures. In addition there are approximately 300 small motor boats engaged in the fishing business, and many pleasure yachts use these waters in the winter season. Of the above total, 292,566 net registered tonnage was confined to the entrance at Boca Grande.

SARASOTA BAY, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1917	3,841	$327,432	(1)	1920	5,439	$571,040	200
1918	3,279	358,858	700	1921	5,069	437,905	2,945
1919	4,322	355,143	208				

[1] No statistics available.

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SARASOTA BAY, FLA.—continued.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons. By commodities. Bulk.	Amount in short tons. By commodities. Package.	Amount in short tons. By classes.	Value. By commodities.	Value. By classes.	Average haul.[1]	Rate per ton-mile.[1]
RECEIPTS, COASTWISE.						*Miles.*	*Cents.*
Vegetable food products			735		$45,438		
Flour		58		$6,960		54	3
Bananas		10		400		54	
Other fruits		17		1,190		54	
Grain		295		17,700		54	3
Hay		9		270		54	
Linseed oil		13		3,900		54	
Rice		17		4,250		54	
Soft drinks		18		630		54	
Sugar		44		5,280		54	
Beans		7		700		54	
Celery		5		500		54	
Potatoes, Irish		30		2,100		54	
Tomatoes		7		840		54	
Other vegetables		6		480		54	
Water		199		238		54	
Textiles: Dry goods		18	18	18,000	18,000	54	
Wood and paper			38		1,580		
Furniture		18		1,080		54	
Lumber, pine		20		500		54	
Nonmetallic minerals			647		40,581		
Cement		7		105		54	
Gasoline	477			32,436		42	
Kerosene	125			5,000		42	
Machine oil	38			3,040		42	
Ores, metals, and manufactures			36		6,600		
Hardware		30		6,000		54	
Nails		6		600		54	
Chemicals			23		10,200		
Fertilizer		5		300		54	2.4
Paints		18		9,900		54	
Unclassified			306		48,250		
Canned goods		90		13,500		54	
General merchandise		112		16,800		54	7
Groceries		61		12,200		54	
Ice		5		50		54	
Miscellaneous		38		5,700		54	
Total	640	1,163	1,803		170,649		
LOCAL.							
Animals and animal products:							
Fish	2,194		2,194	254,256	254,256		
Nonmetallic minerals: Gasoline		42	42	2,500	2,500		
Unclassified			1,030		10,500		
Ice	1,000			6,000			
Miscellaneous		30		4,500			
Total	3,194	72	3,266		267,256		

[1] The distances carried and the rates per ton-mile apply to through traffic from Sarasota over Tampa and Hillsboro Bays to Tampa.

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SARASOTA BAY, FLA.—continued.

SUMMARY.

Classes of commodities.	Coastwise.		Local.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	.....	.....	2,194	$254,256	2,194	$254,256
Vegetable food products	735	$45,438	.....	.....	735	45,438
Textiles	18	18,000	.....	.....	18	18,000
Wood and paper	38	1,580	.....	.....	38	1,580
Nonmetallic minerals	647	40,561	42	2,500	689	43,061
Ores, metals, and manufactures	36	6,600	.....	.....	36	6,600
Chemicals	23	10,200	.....	.....	23	10,200
Unclassified	306	48,250	1,030	10,500	1,336	58,750
Total	1,803	170,649	3,266	267,256	5,069	437,905

Vessel classification, 1921.

Classes.	Number.	Net registered tonnage.	Passengers.
AMERICAN.			
Registered:			
Steamers	136	12,920	2,745
Motor boats	3,376	17,556	.....
Unregistered motor boats	224	620	200
Total	3,736	31,096	2,945

The above includes both arrivals and departures. In addition, there are about 180 small launches in the fishing business and approximately 100 motor boats that carry many passengers.

CLEARWATER HARBOR AND BOCA CEIGA BAY, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1917	15,381	$206,514	42,894	1920	2,827	$251,678	24,000
1918	8,170	140,675	65,250	1921	2,403	162,117	25,000
1919	5,578	233,511	66,017				

[Navigation season: Opened Jan. 1; closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities (bulk).	Amount in short tons, by classes.	Value.		Average haul.
			By commodities.	By classes.	
LOCAL.					*Miles.*
Animals and animal products	.....	1,271	.....	$156,467	.....
Crabs	67	.....	$3,742	.....	15
Fish	1,204	.....	152,725	.....	15
Unclassified: Ice	1,132	1,132	5,650	5,650	15
Total	2,403	2,403	.....	162,117	.....

There are no regular rates on the waterway.

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CLEARWATER HARBOR AND BOCA CEIGA BAY, FLA.—continued.

Vessel classification, 1921.

Classes.	Number.	Net registered tonnage.	Passengers.
AMERICAN.			
Registered:			
Sailboats	90	2,400	.....
Motor boats	624	6,864	.....
Motor boats (ferry)	4,380	35,040	25,000
Unregistered: Motor boats	3,328	4,992	.....
Total	8,422	49,296	25,000

The above includes both arrivals and departures. In addition there are approximately 30 small motor boats on the bay, and many tourist yachts use these waters in the winter season.

ANCLOTE RIVER, FLA.

Comparative statement of traffic.

Year.	Tons.		Value.	Year.	Tons.		Value.
	Freight.	Floated logs.			Freight.	Floated logs.	
1917	4,689	5,400	$1,218,594	1920	3,280	None.	$960,769
1918	7,422	2,812	1,245,167	1921	8,010	4,500	1,166,175
1919	5,867	7,345	1,076,269				

[Navigation season: Opened Jan. 1; closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons.			Value.	
	By commodities.		By classes.	By commodities.	By classes.
	Bulk.	Package.			
RECEIPTS, LOCAL.					
Animals and animal products	.....	.....	2,714	.....	$916,600
Crabs	4	.....	.....	$600	.....
Fish	2,000	.....	.....	240,000	.....
Oysters	50	.....	.....	1,000	.....
Sponges	660	.....	.....	675,000	.....
Wood and paper: Pine, rafted	4,500	.....	4,500	18,000	18,000
Total	7,214	.....	7,214	934,600	934,600
SHIPMENTS, LOCAL.					
Vegetable food products: Water	.....	550	550	550	550
Wood and paper: Wood, fuel	.....	322	322	1,075	1,075
Nonmetallic minerals	.....	.....	724	.....	125,000
Gasoline	.....	660	.....	50,000	.....
Machine oil	.....	64	.....	75,000	.....
Unclassified	.....	.....	3,700	.....	104,950
Groceries	.....	850	.....	85,000	.....
Ice	2,850	.....	.....	19,950	.....
Total	2,850	2,446	5,296	231,575	231,575
Total receipts and shipments	10,064	2,446	12,510	.....	1,166,175

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ANCLOTE RIVER, FLA.—continued.

Vessel classification, 1921.

Classes.	Number.	Net registered tonnage.
AMERICAN.		
Registered:		
Motor boats	250	2,250
Sailboats	200	4,000
Unregistered: Motor boats	110	330
Total	560	6,580

The above includes both arrivals and departures. There are approximately 100 Greek diving boats that make trips every 90 to 120 days to the sponging grounds and approximately 50 boats engaged in the fishing industry. In addition there are about 100 motor boats and yachts on the river during the winter season.

There are about 20 Greek diving boats engaged in the sponging industry that can not come up the river owing to insufficient depth of water in the dredged channel.

CRYSTAL RIVER, FLA.

Comparative statement of traffic.

Year.	Tons.		Value.	Year.	Tons.		Value.
	Freight.	Floated logs.			Freight.	Floated logs.	
1917	500	1,440	$70,960	1920	124	(1)	$19,840
1918	425	31	56,250	1921	700	108	64,000
1919	300	60	54,000				

[1] No statistics available.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Class and commodities.	Amount in short tons.			Value.		Average haul.
	By commodities.		By classes.	By commodities.	By classes.	
	Bulk.	Package.				
LOCAL.[1]						*Miles.*
Animals and animal products			700		$52,000	
Fish	500			$50,000		20
Oysters	200			2,000		
Wood and paper: Florida cedar logs, rafted	108		108	12,000	12,000	20
Total	808		808		64,000	

[1] Estimated.

Vessel classification, 1921.

Besides 12 or 15 small unregistered launches engaged in the fishing business and rafting logs, there are about 100 small motor boats on the river that make occasional trips to the Gulf of Mexico, but do not carry freight.

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WITHLACOOCHEE RIVER, FLA.

Comparative statement of traffic.

Year.	Tons.		Value.	Year.	Tons.		Value.
	Freight.	Floated logs.			Freight.	Floated logs.	
1917		4,250	$21,250	1920	5,925	280	$129,915
1918	841	877	60,879	1921	1,342	3,938	102,328
1919	840	1,456	75,277				

[Navigation season: Opened Jan. 1; closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
INTERNAL.						*Miles.*
Animals and animal products			330		$19,600	
Fish	150			$16,000		12
Oysters	180			3,600		12
Vegetable food products			852		52,380	
Oranges		792		49,500		20
Cabbage		60		2,880		20
Wood and paper			3,998		24,348	
Logs, cypress	3,938			23,628		20
Lumber, pine	60			720		20
Chemicals: Fertilizer		100	100	6,000	6,000	20
Total	4,328	952	5,280		102,328	

There are no local rates on the river.

Vessel classification, 1921.

Class.	Number.	Net registered tonnage.
American unregistered motor boats	250	6,250

The above includes both arrivals and departures. There are about 6 motor boats on the river, also several small launches engaged in fishing.

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SUWANEE RIVER, FLA.

Comparative statement of traffic.

Year.	Tons.		Value.	Year.	Tons.		Value.
	Freight.	Floated logs.			Freight.	Floated logs.	
1917	12,737	5,200	$86,849	1920	65	21,650	$130,475
1918	25	2,500	35,000	1921	27	34,976	163,840
1919	325	24,000	157,000				

[Navigation season: Opened Jan. 1; closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
LOCAL.						*Miles.*
Animals and animal products: Fish	27	.....	27	$3,240	$3,240	.....
Wood and paper	.....	.....	34,976	.....	160,600	.....
Logs, cypress, rafted	31,820	.....	.....	148,500	.....	5
Logs, pine, rafted	3,156	.....	.....	12,100	.....	5
Total	35,003	.....	35,003	.....	163,840	.....

Vessel classification, 1921.

American registered rafts 88

There are approximately 6 motor boats on the river.

PORT TAMPA, FLA.

(TAMPA BAY, FLA.)

Included in statistics for Tampa Harbor, Tampa and Hillsboro Bays, and therefore not carried into summaries in order to avoid duplications.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1917	1,181,076	$47,525,541	200,880	1920	1,291,401	$47,519,876	18,559
1918	558,007	22,823,453	172,515	1921	894,034	37,451,117	197,413
1919	312,063	11,952,527	6,114				

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PORT TAMPA, FLA.—continued.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Other vegetable products: Tobacco	3,760	3,760	$7,520,000	$7,520,000
Nonmetallic minerals: Crude oil	115,735	115,735	1,075,630	1,075,630
Total imports	119,495	119,495		8,595,630
EXPORTS.				
Animals and animal products		671		383,845
Butter	5		4,000	
Eggs	513		359,100	
Fish	147		19,845	
Horses	6		900	
Vegetable food products		1,487		84,580
Flour	45		4,500	
Apples	19		1,900	
Bananas	23		920	
Other fruits	110		4,400	
Grain	450		22,500	
Cabbage	27		1,080	
Potatoes, Irish	300		16,500	
Potatoes, sweet	50		2,500	
Watermelons	104		1,560	
Other vegetables	339		28,720	
Textiles: Dry goods, etc	48	48	72,000	72,000
Nonmetallic minerals: Salt	45	45	450	450
Ores, metals, and manufactures		75		10,000
Hardware	50		7,500	
Manufactured iron	25		2,500	
Machinery and vehicles		76		27,600
Automobiles	21		21,000	
Machinery	55		6,600	
Chemicals: Fertilizer material	295,905	295,905	3,877,150	3,877,150
Unclassified		249		56,200
Canned goods	149		29,800	
General merchandise	100		26,400	
Total exports	298,556	298,556		9,511,825
Total imports and exports		418,051		18,107,455

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons.			Value.	
	By commodities.		By classes.	By commodities.	By classes.
	Bulk.	Package.			
RECEIPTS, COASTWISE.					
Nonmetallic minerals			207,179		$6,601,399
Crude	121,370			$1,093,154	
Gasoline	67,585			4,730,950	
Kerosene	16,843			673,720	
Lubricating	1,381			103,575	
Total receipts, coastwise	207,179		207,179		6,601,399

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PORT TAMPA, FLA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons.			Value.	
	By commodities.		By classes.	By commodities.	By classes.
	Bulk.	Package.			
SHIPMENTS, COASTWISE.					
Animals and animal products			242		$130,000
Butter		5		$4,000	
Eggs		85		42,500	
Live stock		34		6,800	
Meats, smoked		118		76,700	
Vegetable food products			689		102,712
Flour		45		4,500	
Apples		10		1,000	
Bananas		10		400	
Other fruits		33		1,320	
Grain		120		6,000	
Packing-house products		154		38,500	
Rice		180		36,000	
Sugar		64		8,960	
Sirup		16		3,200	
Cabbage		9		432	
Potatoes, Irish		30		1,500	
Potatoes, sweet		18		900	
Other vegetable products			642		1,958,000
Cigars		398		1,592,000	
Drugs, etc		244		366,000	
Textiles: Dry goods, etc		12	12	12,000	12,000
Nonmetallic minerals			6,211		329,215
Fuller's earth		461		11,525	
Lime		14		210	
Refined oil	5,736			317,480	
Ores, metals, and manufactures			44		5,820
Hardware		23		4,140	
Manufactured iron		21		1,680	
Machinery and vehicles: Machinery		79	79	11,850	11,850
Chemicals			234,611		7,043,030
Fertilizer material	234,601			7,038,030	
Paints		10		5,000	
Unclassified			355		71,000
Canned goods		205		41,000	
General merchandise		100		15,000	
Groceries		50		15,000	
Total shipments, coastwise	240,337	2,548	242,885		9,663,627
Total, receipts and shipments	447,516	2,548	450,064		16,265,026
INTERNAL.					
Animals and animal products			1,767		348,695
Bacon		25		12,500	
Butter		64		51,200	
Eggs		39		17,550	
Fish		26		3,120	
Meats, smoked		156		93,600	
Fish	1,456			170,225	
Poultry		1		500	
Vegetable food products			3,262		316,100
Cottonseed meal		234		11,700	
Flour		312		37,440	
Apples		117		11,700	
Bananas		78		3,120	
Coconuts		3		360	
Other fruits		93		4,650	
Grain		624		37,440	
Hay		52		1,560	
Linseed oil		61		18,300	
Packing-house products		78		23,400	
Peanuts		5		1,250	
Rice		312		62,400	
Soft drinks		208		6,240	
Sugar		393		47,160	
Beans		12		1,200	
Cabbage		25		1,000	
Celery		10		1,250	
Lettuce		3		180	
Pineapples		2		250	

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PORT TAMPA, FLA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons.			Value.	
	By commodities.		By classes.	By commodities.	By classes.
	Bulk.	Package.			
INTERNAL—continued.					
Vegetable food products—Continued.					
Potatoes, Irish		600		$42,000	
Potatoes, sweet		25		2,000	
Tomatoes		15		1,500	
Other vegetable products			165		$431,620
Cigars		78		312,000	
Drugs, etc		78		117,000	
Plants and shrubs		5		1,000	
Tar and pitch		3		120	
Tobacco		1		1,500	
Textiles: Dry goods, etc		25	25	37,500	37,500
Wood and paper			161		25,915
Doors, sash, etc		100		25,000	
Shingles		61		915	
Nonmetallic minerals			8,198		463,904
Cement		50		750	
Coal		50		560	
Lime		16		320	
Gasoline	5,556			333,360	
Kerosene	32			1,024	
Machine oil		312		23,400	
Refined oil	2,026			101,430	
Salt		156		3,120	
Ores, metals, and manufactures			771		79,680
Barbed wire		3		360	
Cast-iron pipe		312		18,720	
Hardware		300		45,000	
Nails		156		15,600	
Machinery and vehicles: Machinery		50	50	7,500	7,500
Chemicals			276		19,400
Fertilizer		260		13,000	
Paints		16		6,400	
Unclassified			11,244		1,348,322
Canned goods		780		107,000	
Ice	2,264			11,322	
Miscellaneous		8,200		1,230,000	
Total	11,334	14,585	25,919		3,078,636

CARGOES IN TRANSIT.

Commodities.	Amount in short tons.	Value.
Canned goods	1,605	$240,750
Drugs and supplies	152	304,000
Fertilizer	426	21,300
Fruits	302	15,100
Grain	1,200	72,000
Hardware	476	27,450
Meats	800	480,000
Oils, cottonseed	183	40,260
Vegetables	1,006	100,600
Total	6,150	1,301,460

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PORT TAMPA, FLA.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Import.		Export.		Coastwise.		Internal.		Tons.	Value.
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.		
Animals and animal products	.....	.....	671	$383,845	242	$130,000	1,767	$348,695	2,680	$862,540
Vegetable food products	.....	.....	1,487	84,580	689	102,712	3,262	316,100	5,438	503,392
Other vegetable products	3,760	$7,520,000	.....	.....	642	1,958,000	165	431,620	4,567	9,909,620
Textiles	.....	.....	48	72,000	12	12,000	25	37,500	85	121,500
Wood and paper	.....	.....	.....	.....	.....	.....	161	25,915	161	25,915
Nonmetallic minerals	115,735	1,075,630	45	450	213,390	6,930,614	8,198	463,904	337,368	8,470,598
Ores, metals, and manufactures	.....	.....	75	10,000	44	5,820	771	79,680	890	95,500
Machinery and vehicles	.....	.....	76	27,600	79	11,850	50	7,500	205	46,950
Chemicals	.....	.....	295,905	8,877,150	234,611	7,043,030	276	19,400	530,792	15,939,580
Unclassified	.....	.....	249	56,200	355	71,000	11,244	1,348,322	11,848	1,475,522
Total	119,495	8,595,630	298,556	9,511,825	450,064	16,265,026	25,919	3,078,636	894,034	37,451,117

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.	Net registered tonnage.	Passengers.
Registered:					
Steamers	2,510	4	2,514	1,250,384	191,213
Motor boats	740	.....	740	41,600	6,200
Sailboats	90	.....	90	2,400	.....
Unregistered: Motor boats	1,248	.....	1,248	13,728	.....
Total	4,588	4	4,592	1,308,112	197,413

This includes both arrivals and departures.

The above statistics are for the traffic which passed over the channel from the Gulf of Mexico to Port Tampa, the traffic between Tampa and St. Petersburg, and that which was internal on old Tampa Bay. All other traffic is reported under Tampa and Hillsboro Bays, Fla.

TAMPA HARBOR, FLA.

(TAMPA AND HILLSBORO BAYS, FLA.)

Comparative statement of traffic.

Year.	Tons.		Value.	Passengers.	Year.	Tons.		Value.	Passengers.
	General merchandise.	Cargoes in transit.				General merchandise.	Cargoes in transit.		
1917	733,853	(1)	$25,486,633	155,679	1920	2,257,382	.....	$71,035,400	176,362
1918	296,005	(1)	11,469,392	152,382	1921	[2]1,321,808	(4)	[3]53,823,504	201,223
1919	666,864	31,775	32,595,684	110,692					

[1] Statistics not available.
[2] Includes traffic of Hillsboro River, 83,982 tons; value, $5,053,488; and traffic reported under head of Port Tampa, Fla. (Tampa Bay).
[3] Value of cargoes in transit not included.
[4] See separate table below.

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TAMPA HARBOR, FLA.—continued.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products		8,143		$278,570
Bananas	370		$8,500	
Coconuts	7,086		263,320	
Plantains	687		6,750	
Other vegetable products: Tobacco	3,760	3,760	7,520,000	7,520,000
Wood and paper		3,145		131,634
Logs, Spanish cedar	1,545		101,634	
Spanish cedar lumber	1,600		30,000	
Nonmetallic minerals: Crude oil	212,773	212,773	1,977,151	1,977,151
Unclassified: General merchandise	60	60	9,500	9,500
Total imports		227,881		9,916,855
EXPORTS.				
Animals and animal products		671		383,845
Butter	5		4,000	
Eggs	513		359,100	
Fish	147		19,845	
Horses	6		900	
Vegetable food products		1,487		84,580
Flour	45		4,500	
Apples	19		1,900	
Bananas	23		920	
Other fruit	110		4,400	
Grain	450		22,500	
Cabbage	27		1,080	
Potatoes, Irish	300		16,500	
Potatoes, sweet	50		2,500	
Watermelons	104		1,560	
Other vegetables	359		28,720	
Textiles: Dry goods	48	48	72,000	72,000
Wood and paper: Pine lumber	14,690	14,690	150,063	150,063
Nonmetallic minerals: Salt	45	45	450	450
Ores, metals, and manufactures		75		10,000
Hardware	50		7,500	
Manufactured iron	25		2,500	
Machinery and vehicles		76		27,600
Automobiles	21		21,000	
Machinery	55		6,600	
Chemicals		392,863		9,652,814
Fertilizer material	295,905		8,877,150	
Phosphate, pebble	96,958		775,664	
Unclassified		3,249		506,200
Canned goods	149		29,800	
General merchandise	3,100		476,400	
Total exports		413,204		10,887,552
Total imports and exports		641,085		20,804,407

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TAMPA HARBOR, FLA.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons.			Value.	
	By commodities.		By classes.	By commodities.	By classes.
	Bulk.	Package.			
RECEIPTS, COASTWISE.					
Vegetable food products			22,218		$2,072,790
Grain		12,623		$631,150	
Rice		3,628		725,600	
Sugar		5,967		716,040	
Nonmetallic minerals			226,095		7,564,573
Crude oil	121,370			1,093,154	
Gasoline	60,676			4,856,410	
Kerosene	16,843			673,720	
Machine	1,388			103,925	
Petroleum products	14,418			803,764	
Salt		2,400		33,600	
Ores, metals, and manufactures			2,480		164,000
Cast-iron pipe		2,100		126,000	
Nails		380		38,000	
Unclassified			28,927		4,339,050
Canned goods		3,831		574,650	
Miscellaneous		25,096		3,764,400	
Total receipts, coastwise	223,695	56,025	279,720		14,140,413
SHIPMENTS, COASTWISE.					
Animals and animal products			745		355,550
Bacon, salt		3		1,950	
Butter		7		5,600	
Eggs		88		44,000	
Fish		150		15,000	
Live stock		39		8,300	
Meats, smoked		118		76,700	
Sponges		340		204,000	
Vegetable food products			7,421		750,716
Flour		103		11,460	
Apples		12		1,200	
Bananas		20		800	
Other fruits		59		2,900	
Grain		2,210		131,400	
Hay		48		1,440	
Packing-house products		154		38,500	
Rice		197		40,250	
Soft drinks		18		630	
Sugar		4,243		510,440	
Sirup		17		3,400	
Beans		7		700	
Cabbage		41		1,968	
Celery		5		500	
Potatoes, Irish		60		3,000	
Potatoes, sweet		21		1,050	
Tomatoes		7		840	
Water		199		238	
Other vegetable products			1,876		3,684,800
Cigars		610		2,440,000	
Drugs, etc		246		368,000	
Naval stores: Rosin		460		36,800	
Tobacco		560		840,000	
Textiles: Dry goods, etc		38	38	39,600	39,600
Wood and paper			33,945		427,240
Furniture		28		9,080	
Crossties	2,421			24,210	
Pine lumber	31,476	20		393,950	
Nonmetallic minerals			12,154		736,667
Cement		27		505	
Fuller's earth		2,565		53,605	
Lime		14		210	
Gasoline	6,450			450,546	
Kerosene	1,763			70,520	
Machine oil	809			60,865	
Linseed oil		493		99,900	
Salt		33		516	
Ores, metals, and manufactures			115		16,070
Cast-iron pipe		15		900	
Hardware		68		12,390	
Manufactured iron		21		1,680	
Nails		11		1,100	

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TAMPA HARBOR, FLA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons.			Value.	
	By commodities.		By classes.	By commodities.	By classes.
	Bulk.	Package.			
SHIPMENTS, COASTWISE—continued.					
Machinery and vehicles			83		$15,050
Automobiles		4		$3,200	
Machinery		79		11,850	
Chemicals			240,302		7,196,698
Fertilizer		1,892		113,520	
Fertilizer material		234,601		7,038,030	
Phosphate, rock		3,781		30,248	
Paints		28		14,900	
Unclassified			5,166		870,600
Canned goods		362		64,550	
General merchandise		250		37,500	
Groceries		1,623		329,600	
Ice		5		50	
Miscellaneous		2,926		438,900	
Total shipments, coastwise	42,919	258,926	301,845		14,092,991
Total receipts and shipments	266,614	314,951	581,565		28,233,404
RECEIPTS, LOCAL.					
Animals and animal products			11,201		202,626
Fish	1,601			184,626	
Shell	9,600			18,000	
Vegetable food products: Vegetables		1,006	1,006	100,600	100,600
Nonmetallic minerals			50,498		665,868
Crude oil	1,493			14,184	
Gasoline	10,102			600,260	
Kerosene	23			1,024	
Sand	38,880			50,400	
Total receipts, local	61,699	1,006	62,705		969,094
SHIPMENTS, LOCAL.					
Animals and animal products			1,111		658,470
Bacon		25		12,500	
Butter		64		51,200	
Eggs		39		17,550	
Fish		26		3,120	
Meats		956		573,600	
Poultry		1		500	
Vegetable food products			4,937		443,460
Cottonseed meal		234		11,700	
Flour		312		37,440	
Apples		419		26,800	
Bananas		78		3,120	
Coconuts		3		360	
Other fruits		93		4,650	
Grain		1,824		109,440	
Hay		52		1,560	
Cottonseed		183		40,260	
Linseed oil		61		18,300	
Packing-house products		78		23,400	
Peanuts		5		1,250	
Rice		312		62,400	
Soft drinks		208		6,240	
Sugar		393		47,160	
Beans		12		1,200	
Cabbage		25		1,000	
Celery		10		1,250	
Lettuce		3		180	
Pineapples		2		250	
Potatoes, Irish		600		42,000	
Potatoes, sweet		25		2,000	
Tomatoes		15		1,500	
Other vegetable products			317		735,620
Cigars		78		312,000	
Drugs, etc		230		421,000	
Plants and shrubs		5		1,000	
Tar and pitch		3		120	
Tobacco		1		1,500	

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TAMPA HARBOR, FLA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons.			Value.	
	By commodities.		By classes.	By commodities.	By classes.
	Bulk.	Package.			
SHIPMENTS, LOCAL—continued.					
Textiles: Dry goods, etc.		25	25	$37,500	$37,500
Wood and paper			196		26,475
Doors, sash, etc.		100		25,000	
Pine lumber		35		560	
Shingles		61		915	
Nonmetallic minerals			14,814		162,447
Cement		67		1,156	
Coal		50		500	
Lime		17		345	
Crude oil	14,008			133,076	
Gasoline		4		250	
Machine oil		312		23,400	
Rock		200		600	
Salt		156		3,120	
Ores, metals and manufactures			1,247		107,130
Barbed wire		3		360	
Cast-iron pipe		312		18,720	
Hardware		776		72,450	
Nails		156		15,600	
Machinery and vehicles: Machinery		50	50	7,500	7,500
Chemicals			702		40,700
Fertilizer		686		34,300	
Paints		16		6,400	
Unclassified			13,054		1,597,297
Canned goods		2,385		347,750	
General merchandise		8,215		1,235,475	
Groceries		10		1,850	
Ice		2,444		12,222	
Total shipments, local	14,008	22,445	36,453		3,816,599
Total receipts and shipments	75,707	23,451	99,158		4,785,693

CARGOES IN TRANSIT.

Commodities.	Amount in short tons.	Value.
Cigar box lumber	507	$14,196
Cotton	171	85,500
Cotton piece goods	552	552,000
Cross ties	11,416	114,160
Lumber	28,617	343,404
Merchandise	2,264	339,600
Staves, barrel	28	560
Turpentine	425	85,000
Miscellaneous	20,491	2,461,650
Total	64,471	3,996,070

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TAMPA HARBOR, FLA.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Local			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	.....	.....	671	$383,845	745	$355,550	12,312	$861,096	13,728	$1,600,491
Vegetable food products	8,143	$278,570	1,487	84,580	29,639	2,823,506	5,943	544,060	45,212	3,730,716
Other vegetable products	3,760	7,520,000	.....	.....	1,876	3,684,800	317	735,620	5,953	11,940,420
Textiles	.....	.....	48	72,000	38	39,600	25	37,500	111	149,100
Wood and paper	3,145	131,634	14,690	150,063	33,945	427,240	196	26,475	51,976	735,412
Nonmetallic minerals	212,773	1,977,151	45	450	238,249	8,301,240	65,312	828,315	516,379	11,107,156
Ores, metals, and manufactures	.....	.....	75	10,000	2,595	180,070	1,247	107,130	3,917	297,200
Machinery and vehicles	.....	.....	76	27,600	83	15,050	50	7,500	209	50,150
Chemicals	.....	.....	392,863	9,652,814	240,302	7,196,698	702	40,700	633,867	16,890,212
Unclassified	60	9,500	3,249	506,200	34,093	5,209,650	13,054	1,597,297	50,456	7,322,647
Total	227,881	9,916,855	413,204	10,887,552	581,565	28,233,404	99,158	4,785,693	1,321,808	53,823,504

	Short tons.	Value.
Cargoes in transit	64,471	$3,996,070

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.	Net registered tonnage.	Passengers.
Registered:					
Steamers	3,158	10	3,168	1,949,062	194,553
Motor boats	1,744	.....	1,744	69,850	6,675
Sailboats	186	68	254	28,118	.....
Unregistered:					
Motor boats	1,300	.....	1,300	13,928	.....
Lighters and barges	692	.....	692	76,410	.....
Total	7,080	78	7,158	2,137,368	201,228

The above includes both arrivals and departures.

HILLSBORO RIVER, FLA.

Included in statistics for Tampa Harbor and therefore not carried into summaries in order to avoid duplication.

Comparative statement of traffic.

Year.	Tons.		Value.	Passengers.	Year.	Tons.		Value.	Passengers.
	General merchandise.	Floated logs.[1]				General merchandise.	Floated logs.[1]		
1917	313,040	700	$13,693,755	142,362	1920	44,522	1,083	$4,684,052	129,525
1918	61,396	1,125	3,267,080	151,492	1921	82,437	1,545	5,053,488	126,881
1919	58,299	1,780	5,397,995	93,555					

[1] This traffic consists of Spanish cedar logs, unloaded in deep water in the bay and rafted up the Hillsboro River.

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HILLSBORO RIVER, FLA.—continued.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Logs—Spanish cedar, floated	1,545	1,545	$101,634	$101,634

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Nonmetallic minerals			2,098		$125,810
Gasoline	2,091			$125,460	
Machine oil	7			350	
Unclassified: Miscellaneous		120	120	18,000	18,000
Total	2,098	120	2,218	143,810	143,810
SHIPMENTS, COASTWISE.					
Animals and animal products			13		6,550
Bacon		3		1,950	
Butter		2		1,600	
Eggs		3		1,500	
Live stock		5		1,500	
Vegetable food products			2,625		157,464
Flour		58		6,900	
Apples		2		200	
Bananas		10		400	
Other fruit		26		1,600	
Grain		2,090		125,400	
Hay		48		1,440	
Linseed oil		13		3,900	
Rice		17		4,250	
Soft drinks		18		630	
Sugar		59		7,080	
Sirup		1		200	
Beans		7		700	
Cabbage		32		1,536	
Celery		5		500	
Potatoes, Irish		30		1,500	
Potatoes, sweet		3		150	
Tomatoes		7		840	
Water		199		238	
Other vegetable products: Drugs, etc		2	2	2,000	2,000
Textiles: Dry goods, etc		26	26	27,600	27,600
Wood and paper			48		9,580
Furniture		28		9,080	
Pine lumber		20		500	
Nonmetallic minerals			60		1,021
Cement		27		505	
Salt		33		516	
Ores, metals, and manufactures			71		10,250
Cast iron pipe		15		900	
Hardware		45		8,250	
Nails		11		1,100	
Machinery and vehicles: Automobiles		4	4	3,200	3,200
Chemicals			26		10,380
Fertilizer		8		480	
Paints		18		9,900	

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HILLSBORO RIVER, FLA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS, COASTWISE—continued.					
Unclassified			2,214		$410,050
Canned goods		157		$23,550	
General merchandise		143		21,450	
Groceries		1,573		314,600	
Ice		5		50	
Miscellaneous		336		50,400	
Total		5,089	5,089		633,095
Total receipts and shipments	2,098	5,209	7,307		781,905
RECEIPTS, LOCAL.					
Animals and animal products			9,745		32,400
Fish	145			14,400	
Shell	9,600			18,000	
Vegetable food products: Beans		1,006	1,006	100,600	100,600
Nonmetallic minerals			44,468		384,784
Gasoline	5,556			333,360	
Kerosene	32			1,024	
Sand	38,880			50,400	
Total	54,213	1,006	55,219		517,784
SHIPMENTS, LOCAL.					
Animals and animal products			1,111		658,470
Bacon, salt		25		12,500	
Butter		64		51,200	
Eggs		39		17,550	
Fish		26		3,120	
Meats, smoked		956		573,600	
Poultry		1		500	
Vegetable food products			4,947		443,460
Cottonseed meal		234		11,700	
Flour		312		37,440	
Apples		419		26,800	
Bananas		78		3,120	
Coconuts		3		360	
Other fruits		93		4,650	
Grain		1,824		109,440	
Hay		52		1,560	
Cottonseed oil		183		40,260	
Linseed oil		61		18,300	
Packing-house products		78		23,400	
Peanuts		5		1,250	
Rice		312		62,400	
Soft drinks		208		6,240	
Sugar		393		47,160	
Beans		12		1,200	
Cabbage		25		1,000	
Cellery		10		1,250	
Lettuce		3		180	
Pineapples		2		250	
Potatoes, Irish		600		42,000	
Potatoes, sweet		25		2,000	
Tomatoes		15		1,500	
Other vegetable products			317		724,620
Cigars		78		312,000	
Drugs, etc		230		410,000	
Plants and shrubs		5		1,000	
Tar and pitch		3		120	
Tobacco		1		1,500	
Textiles: Dry goods, etc		25	25	37,500	37,500
Wood and paper			161		25,915
Doors, sash, etc		100		25,000	
Shingles		61		915	
Nonmetallic minerals			586		28,230
Cement		50		750	
Coal		50		500	
Lime		16		320	
Gasoline		2		130	
Machine oil		312		23,400	
Salt		156		3,120	

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HILLSBORO RIVER, FLA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS, LOCAL—continued.					
Ores, metals, and manufactures			1,247		$107,130
Barbed wire		3		$360	
Cast-iron pipe		312		18,720	
Hardware		776		72,450	
Nails		156		15,600	
Machinery and vehicles: Machinery		50	50	7,500	7,500
Chemicals			702		40,700
Fertilizer		686		34,300	
Paints		16		6,400	
Unclassified			10,765		1,578,650
Canned goods		2,385		347,750	
Ice		180		900	
Miscellaneous		8,200		1,230,000	
Total		19,911	19,911		3,652,165
Total receipts and shipments	54,213	20,917	75,130		4,169,949

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic.				Total.	
			Coastwise.		Local.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			13	$6,550	10,856	$690,870	10,869	$697,420
Vegetable food products			2,625	157,464	5,953	544,060	8,578	701,524
Other vegetable products			2	2,000	317	724,620	319	726,620
Textiles			26	27,600	25	37,500	51	65,100
Wood and paper	1,545	101,634	48	9,580	161	25,915	1,754	137,129
Nonmetallic minerals			2,158	126,831	45,054	413,004	47,212	539,835
Ores, metals, and manufactures			71	10,250	1,247	107,130	1,318	117,380
Machinery and vehicles			4	3,200	50	7,500	54	10,700
Chemicals			26	10,380	702	40,700	728	51,080
Unclassified			2,334	428,050	10,765	1,578,650	13,099	2,006,700
Total	1,545	101,634	7,307	781,905	75,130	4,169,949	83,982	5,053,488

Vessel classification, 1921.

Classes.	Number.	Net registered tonnage.	Passengers.
AMERICAN.			
Registered:			
Steamers	2,356	792,928	120,651
Sailboats	142	1,618	
Motor boats	1,298	54,266	6,230
Unregistered:			
Motorboats	66	264	
Lighters	360	34,000	
Rafts	20	1,545	
Total	4,242	884,621	126,881

The above includes both arrivals and departures. About 149 boats, aggregating 18,115 net tons, were repaired at the marine ways of the Tampa Steam Ways Co., passing over this improvement.

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MANATEE RIVER, FLA.

Comparative statement of traffic.

Years.	Tons.		Value.	Passengers.	Years.	Tons.		Value.	Passengers.
	Freight.	Floated logs.				Freight.	Floated logs.		
1917	42,057	165	$2,115,644	101,319	1920	42,810	.....	$681,485	20,000
1918	33,913	945	1,729,254	39,946	1921	39,343	.....	1,487,517	59,949
1919	34,412	.....	1,321,040	19,639					

[Navigation season: Opened Jan. 1; closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
LOCAL RECEIPTS.						*Miles.*	*Cents.*
Animals and animal products	.....	.....	831	.....	$483,720	.....	.....
Fish	31	.....	.....	$3,720	.....	20	.....
Meats	.....	800	.....	480,000	.....	43	8.8
Vegetable food products	.....	.....	1,685	.....	127,360	.....	.....
Fruits	.....	302	.....	15,100	.....	43	.....
Grain	.....	1,200	.....	72,000	.....	43	3.7
Cottonseed oil	.....	183	.....	40,260	.....	43	.....
Other vegetable products: Drugs, etc	.....	152	152	304,000	304,000	43	.....
Nonmetallic minerals: Mixed	1,449	.....	1,449	72,450	72,450	43	.....
Ores, metals and manufactures: Hardware	.....	476	476	27,450	27,450	43	.....
Chemicals: Fertilizer	.....	426	426	21,300	21,300	43	5.3
Unclassified: Canned goods	.....	1,605	1,605	240,750	240,750	43	8.8
Total	1,480	5,144	6,624	.....	1,277,030	.....	.....
LOCAL SHIPMENTS.							
Animals and animal products: Shell	27,588	.....	27,588	29,887	29,887	20	.....
Vegetable food products: Beans	.....	1,006	1,006	100,600	100,600	43	.....
Total	27,588	1,006	28,594	.....	130,487	.....	.....
Total receipts and shipments	29,068	6,150	35,218	.....	1,407,517	.....	.....
SHIPMENTS, COASTWISE.							
Nonmetallic minerals: Fuller's earth	4,125	.....	4,125	80,000	80,000	.....	.....

SUMMARY.

Classes of commodities.	Coastwise.		Local.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	.....	.....	28,419	$513,607	28,419	$513,607
Vegetable food products	.....	.....	2,691	227,960	2,691	227,960
Other vegetable products	.....	.....	152	304,000	152	304,000
Nonmetallic minerals	4,125	80,000	1,449	72,450	5,574	152,450
Ores, metals and manufactures	.....	.....	476	27,450	476	27,450
Chemicals	.....	.....	426	21,300	426	21,300
Unclassified	.....	.....	1,605	240,750	1,605	240,750
Total	4,125	80,000	35,218	1,407,517	39,343	1,487,517

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MANATEE RIVER, FLA.—continued.

Vessel classification, 1921.

Classes.	Number.	Net registered tonnage.	Passengers.
AMERICAN.			
Registered:			
Steamers	1,100	286,200	58,593
Motor boats	1,002	10,936	1,356
Unregistered:			
Motor boats	1,032	3,096	.....
Lighters	560	74,000	.....
Total	3,694	374,232	59,949

The above includes both arrivals and departures. In addition there are approximately 75 motor boats on the river.

HARBOR AT ST. PETERSBURG, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1917	22,151	$2,371,559	132,329	1920 [1]	20,272	$3,323,304	149,525
1918	15,466	1,068,048	106,143	1921 [2]	24,877	3,011,023	183,058
1919	19,961	679,377	74,416				

[1] Exclusive of 3,149 tons, cargoes in transit, valued at $602,225.
[2] Exclusive of 6,150 tons, cargoes in transit, valued at $1,301,460.

Freight traffic, 1921.

[Navigation season: Opened Jan. 1; closed Dec. 31, 1921.]

DOMESTIC.

Classes and commodities.	Amount in short tons.			Value.		Average haul.	Rate per ton-mile.
	By commodities.		By classes.	By commodities.	By classes.		
	Bulk.	Package.					
RECEIPTS, LOCAL.						*Miles.*	*Cents.*
Animals and animal products	.....	.....	1,767	.....	$348,696	.....	.....
Bacon, salt	.....	25	.....	$12,500	.....	22	10.91
Butter	.....	64	.....	51,200	.....	22	10.91
Eggs	.....	39	.....	17,550	.....	22	10.91
Fish	1,482	.....	.....	173,346	.....	22	10.91
Meats	.....	156	.....	93,600	.....	22	10.91
Poultry	.....	1	.....	500	.....	22	.....
Vegetable food products	.....	.....	3,262	.....	316,100	.....	.....
Cottonseed meal	.....	234	.....	11,700	.....	22	6.36
Flour	.....	312	.....	37,440	.....	22	6.36
Apples	.....	117	.....	11,700	.....	22	.....
Bananas	.....	78	.....	3,120	.....	.....	.....
Coconuts	.....	3	.....	360	.....	.....	.....
Other fruit	.....	93	.....	4,650	.....	.....	.....
Grain	.....	624	.....	37,440	.....	22	6.36
Hay	.....	52	.....	1,560	.....	22	6.36
Linseed oil	.....	61	.....	18,300	.....	.....	.....
Packing house products	.....	78	.....	23,400	.....	22	.....
Peanuts	.....	5	.....	1,250	.....	22	.....
Rice	.....	312	.....	62,400	.....	22	10.91
Soft drinks	.....	208	.....	6,240	.....	.....	.....
Sugar	.....	393	.....	47,160	.....	22	10.91
Beans	.....	12	.....	1,200	.....	.....	.....

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HARBOR AT ST. PETERSBURG, FLA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons. By commodities. Bulk.	Amount in short tons. By commodities. Package.	Amount in short tons. By classes.	Value. By commodities.	Value. By classes.	Average haul.	Rate per ton-mile.
RECEIPTS, LOCAL—continued.							
Vegetable food products—Con.						*Miles.*	*Cents.*
Cabbage		25		$1,000			
Celery		10		1,250			
Lettuce		3		180			
Pineapples		2		250			
Potatoes, Irish		600		42,000			
Potatoes, sweet		25		2,000			
Tomatoes		15		1,500			
Other vegetable products			165		$431,620		
Cigars		78		312,000		22	10.91
Drugs, etc		78		117,000		22	10.91
Plants and shrubs		5		1,000			
Tar and pitch		3		120			
Tobacco		1		1,500			
Textiles: Dry goods, etc		25	25	37,500	37,500	22	(1)
Wood and paper			161		25,915		
Doors, sash, etc		100		25,000		22	(1)
Shingles		61		915		22	(1)
Nonmetallic minerals			7,156		396,290		
Cement		50		750		22	4.89
Coal		50		500		22	4.59
Lime		16		320		22	
Gasoline	4,546			266,900		8	
Machine oil		312		23,400		8	
Mixed oils	2,026			101,300		8	
Salt		156		3,120		22	10.91
Ores, metals, and manufactures			771		79,680		
Barbed wire		3		360		22	10.91
Cast-iron pipe		312		18,720		22	10.91
Hardware		300		45,000		22	10.91
Nails		156		15,600		22	10.91
Machinery and vehicles: Machinery		50	50	7,500	7,500	22	10.91
Chemicals			276		19,400		
Fertilizer		260		13,000		22	6.14
Paints		16		6,400		22	10.91
Unclassified			8,980		1,337,000		
Cement goods		780		107,000		22	10.91
Miscellaneous		8,200		1,230,000		22	10.91
Total	8,054	14,559	22,613		2,999,701		
SHIPMENTS, LOCAL.							
Unclassified: Ice	2,264		2,264	11,322	11,322		
Total receipts and shipments	10,318	14,559	24,877		3,011,023		

[1] Special.

The improvement is in the nature of a terminal harbor, and the rates per ton-mile and the distances carried apply to transfer over Tampa and Hillsboro Bays to and from Tampa.

CARGOES IN TRANSIT.

Commodities.	Short tons.	Value.	Commodities.	Short tons.	Value.
Canned goods	1,605	$240,750	Meats, all kinds	800	$480,000
Drugs, etc	152	304,000	Oils, cottonseed	183	40,260
Fertilizer	426	21,300	Vegetables: Beans	1,006	100,600
Fruit, apples	302	15,100			
Grain	1,200	72,000	Total	6,150	1,301,460
Hardware	476	27,450			

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HARBOR AT ST. PETERSBURG, FLA.—continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	1,767	$348,696
Vegetable food products	3,262	316,100
Other vegetable products	165	431,620
Textiles	25	37,500
Wood and paper	161	25,915
Nonmetallic minerals	7,156	396,290
Ores, metals, and manufactures	771	79,680
Machinery and vehicles	50	7,500
Chemicals	276	19,400
Unclassified	11,244	1,348,322
Total	24,877	3,011,023

	Short tons.	Value.
Cargoes in transit	6,150	$1,301,460

Vessel classification, 1921.

Classes.	Number.	Net registered tonnage.	Passengers.
AMERICAN.			
Registered:			
Steamers	3,420	1,091,608	176,858
Motor boats	924	35,792	6,200
Sailboats	90	2,400	.....
Unregistered:			
Motor boats	1,248	13,728	.....
Barges	280	12,600	.....
Total	5,962	1,156,128	183,058

The above includes both arrivals and departures. In addition there are about 75 motor boats in the harbor.

MONTGOMERY, ALA., DISTRICT.

CARRABELLE BAR AND HARBOR, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1895	(1)	$600,000	(1)	1912	50,650	$2,164,816	(1)
1900	30,000	263,549	(1)	1913	46,339	1,642,987	(1)
1901	41,000	499,789	(1)	1914	35,480	1,172,960	(1)
1902	39,250	393,947	(1)	1915	14,851	940,015	(1)
1903	23,000	215,672	(1)	1916	16,628	1,383,707	(1)
1905	26,000	440,000	(1)	1917	16,268	1,583,818	6,659
1907	40,000	540,000	(1)	1918	13,442	1,382,179	7,007
1908	(1)	400,000	(1)	1919	11,330	1,355,171	7,523
1909	(1)	475,025	(1)	1920	11,126	1,442,454	6,808
1910	(1)	558,000	(1)	1921	8,754	1,065,873	6,622
1911	(1)	772,588	(1)				

[1] No statistics available.

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CARRABELLE BAR AND HARBOR, FLA.—continued.

Freight traffic, 1921.

[Navigation season, entire year.]

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	
Animals and animal products			2,215		$385,080		
Other meat products		32		$16,000		6	$0.08
Milk and cream		2		240		6	.08
Butter and cheese		1		640		6	.08
Fish (food)	1,135			214,300		6	Cargo.
Oysters, in shell	432			17,280		6	Cargo.
Shrimp	591			130,020		4	Cargo.
Lard		22		6,600		6	.07
Vegetable food products			543		29,552		
Flour		106		9,090		6	.04
Corn meal, grits, etc		27		1,080		6	.03
Mixed feed-stuffs		101		3,180		6	.03
All other grains		149		4,768		6	.03
Hay		31		930		6	.04
Bran and middlings		53		1,484		6	.03
Beans, dried		5		700		6	.04
Potatoes, white		23		1,380		6	.04
Onions		5		500		6	.04
Fruits, canned		3		1,200		6	.04
Coffee		3		1,200		6	.04
Sugar		27		3,240		6	.05
Sirup		10		800		6	.03
Other vegetable products			2,110		154,598		
Rosin		1,479		47,328		6	Cargo.
Turpentine		631		107,270		6	Cargo.
Wood and paper: Barrels, empty		68	68	5,480	5,480	6	.03
Ores, metals, and manufactures of			62		9,440		
Iron bars		4		480		6	.04
Steel bars		8		960		6	.04
Wire		7		1,400		6	.04
Nails		14		1,960		6	.04
Other iron and steel		29		4,640		6	.04
Chemicals			120		3,834		
Salt		90		2,700		6	.03
Fertilizer, prepared		27		864		6	.03
Soap		3		270		6	.05
Unclassified			187		52,130		
Miscellaneous articles		171		39,330		6	.07
Household furniture		16		12,800		6	.12
Total	2,158	3,147	5,305		640,114		
SHIPMENTS, COASTWISE.							
Animals and animal products			29		8,800		
Other meat products		2		1,000		6	.08
Milk and cream		6		720		6	.08
Butter and cheese		2		1,280		6	.08
Fish, canned		1		400		6	.08
Shrimp		7		2,100		6	.08
Lard		11		3,300		6	.07
Vegetable food products			214		25,215		
Flour (wheat)		2		180		6	.04
Corn meal, grits, etc		40		4,480		6	.04
All other grains		6		215		6	.03
Cottonseed cake		70		2,100		6	.03
Potatoes, white		27		1,620		6	.03
Onions		2		200		6	.03
Vegetables, canned		5		1,500		6	.04
Fruit, canned		7		2,800		6	.04
Coffee		20		8,000		6	.05
Sugar		33		3,960		6	.05
Sirup		2		160		6	.03
Other vegetable products			2,561		175,134		
Rosin		1,937		61,984		6	.025
Turpentine		615		104,550		6	.03
Tobacco, manufactured		9		8,600		6	.11

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CARRABELLE BAR AND HARBOR, FLA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, COASTWISE—contd.						*Miles.*	
Textiles			22		$48,820		
Cotton cloth		8		$16,000		6	$0.11
Wearing apparel		5		30,000		6	.12
Manila rope		2		720		6	.07
Miscellaneous textiles		7		2,100		6	.07
Wood and paper			179		23,340		
Barrels, empty		95		4,860		6	.03
Paper		84		18,480		6	.04
Nonmetallic minerals: Gasoline		24	24	1,440	1,440	6	.08
Ores, metals and manufactures of			204		75,560		
Wire		8		1,080		6	.04
Bolts, rivets, etc		32		9,600		6	.04
Tin and zinc		146		58,400		6	.04
Other metals and alloys		18		6,480		6	.04
Machinery and vehicles			8		12,860		
Electric machinery		6		10,000		4	.11
Other machinery		2		2,860		4	.06
Chemicals			25		3,950		
Fertilizer, prepared		10		320		6	.03
Ammunition		4		2,640		6	.08
Soap		11		990		6	.05
Unclassified			183		50,640		
Miscellaneous articles		168		38,640		6	.07
Household furniture		15		12,000		6	.12
Total		3,449	3,449		425,759		
Total shipments and receipts	2,158	6,596	8,754		1,065,873		

SUMMARY.

Classes of commodities.	Receipts.		Shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	2,215	$385,080	29	$8,800	2,244	$93,880
Vegetable food products	543	29,552	214	25,215	757	54,767
Other vegetable products	2,110	154,598	2,561	175,134	4,671	329,732
Textiles			22	48,820	22	48,820
Wood and paper	68	5,480	179	23,340	247	28,820
Nonmetallic minerals			24	1,440	24	1,440
Ores, metals and manufactures of	62	9,440	204	75,560	266	85,000
Machinery and vehicles			8	12,860	8	12,860
Chemicals	120	3,834	25	3,950	145	7,784
Unclassified	187	52,130	183	50,640	370	102,770
Total	5,305	640,114	3,449	425,759	8,754	1,065,873

Vessel classification, 1921.

Class.	Number.	Net registered tonnage.	Passengers.
Steamers	2	381	6,622
Gasoline launches	14	78	
Fishing smacks	12	121	
Tugs	1	30	
Total	29	610	6,622

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HARBOR AT APALACHICOLA BAY, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1897	75,741	$830,146	(1)	1911	(1)	$1,158,882	(1)
1898	84,000	1,250,000	(1)	1912	38,735	2,331,084	(1)
1900	(1)	324,034	(1)	1913	42,900	2,027,901	(1)
1901	71,000	791,569	(1)	1914	29,775	1,749,822	(1)
1902	55,850	754,575	(1)	1915	22,947	1,462,948	(1)
1903	(1)	520,442	(1)	1916	26,374	1,906,451	(1)
1906	44,000	1,200,000	(1)	1917	25,592	2,161,306	6,922
1907	76,000	1,240,000	(1)	1918	34,129	1,977,991	7,191
1908	(1)	900,000	(1)	1919	28,112	1,760,943	7,696
1909	(1)	712,538	(1)	1920	17,406	1,764,915	12,323
1910	(1)	837,000	(1)	1921	15,084	1,630,053	8,762

[1] No statistics available.

Freight traffic, 1921.

[Navigation season, entire year.]

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	
Animals and animal products			6,181		$628,100		
Other meat products		91		$45,900		30	$0.035
Milk and cream		29		3,480		30	.03
Butter and cheese		6		3,840		30	.05
Fish	462			83,160		16	Cargo.
Oysters, in shell	3,747			149,880		14	Cargo.
Shrimp	1,768			318,440		12	Cargo.
Lard		78		23,400		30	.035
Vegetable food products, oil seeds			1,576		122,465		
Mixed feedstuffs		357		13,495		30	.02
Flour (wheat)		217		19,530		30	.035
Corn meal, grits, etc		142		5,680		30	.035
All other grains		384		12,288		30	.03
Hay		67		1,340		30	.025
Cottonseed cake		70		2,100		30	.03
Bran and middlings		44		1,232		30	.03
Beans, dried		29		4,060		30	.03
Potatoes, white		52		3,120		30	.035
Onions		9		900		30	.035
Vegetables, canned		44		13,200		30	.03
Fruit, canned		68		27,200		30	.03
Coffee		26		10,400		30	.03
Sugar		64		7,680		30	.035
Sirup		3		240		30	.025
Other vegetable products			2,334		165,210		
Resin		1,721		54,070		15	Cargo.
Turpentine		602		102,340		15	Cargo.
Tobacco, manufactured		11		8,800		30	.045
Textiles			26		34,260		
Cotton cloth		8		16,000		30	.04
Wearing apparel		5		14,000		30	.11
Manila rope		6		2,160		30	.03
Miscellaneous textile products		7		2,100		30	.045
Wood and paper			424		40,180		
Barrels, empty		339		21,480		30	.025
Paper		85		18,700		30	.035
Nonmetallic minerals			124		10,160		
Gasoline		20		1,200		30	.03
Lubricating oils		66		6,600		30	.02
Cement		35		560		30	.02
Glass		3		1,800		30	.035

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HARBOR AT APALACHICOLA BAY, FLA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE—contd.							
Ores, metals, and manufactures of			347		$116,160	*Miles.*	
Iron bars		11		$1,320		30	$0.025
Wire		15		3,000		30	.03
Nails		27		3,780		30	.03
Bolts, screws, etc		37		11,100		30	.035
Other iron and steel		7		1,120		30	.03
Tin and zinc		146		58,400		30	.035
Other metals and alloys		104		37,440		30	.035
Chemicals			226		12,674		
Lime		42		1,260		30	.03
Salt		134		5,360		30	.025
Lead compounds		4		1,200		30	.03
Prepared fertilizer		27		864		30	.025
Ammunition		4		2,640		30	.035
Soap		15		1,350		30	.035
Unclassified			250		66,620		
Miscellaneous articles		234		53,820		30	.035
Household furniture		16		12,800		30	.08
Total	5,977	5,511	11,488		1,195,829		
SHIPMENTS, COASTWISE.							
Animals and animal products			691		210,800		
Oysters, canned		48		19,200		30	.04
Shrimp, canned		630		189,000		30	.04
Hides and skins		13		2,600			
Other vegetable products			2,783		185,104		
Resin		2,087		66,784		30	.025
Turpentine		696		118,320		30	.03
Unclassified			122		38,320		
Miscellaneous articles		104		23,920		30	.035
Household furniture		18		14,400		30	.08
Total		3,596	3,596	434,224	434,224		
Total receipts and shipments	5,977	9,107	15,084		1,630,053		

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	6,181	$628,100	691	$210,800	6,872	$838,900
Vegetable food products	1,576	122,465			1,576	122,465
Other vegetable products	2,334	165,210	2,783	185,104	5,117	350,314
Textiles	26	34,260			26	34,260
Wood and paper	424	40,180			424	40,180
Nonmetallic minerals	124	10,160			124	10,160
Ores, metals, and manufactures of	347	116,160			347	116,160
Chemicals	226	12,674			226	12,674
Unclassified	250	66,620	122	38,320	372	104,940
Total	11,488	1,195,829	3,596	434,224	15,084	1,630,053

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HARBOR AT APALACHICOLA BAY, FLA.—continued.

Vessel classification, 1921.

Class.	Number.	Net registered tonnage.	Passengers.
Steamers	3	459	8,762
Gasoline launches and fishing boats	123	587	.....
Tugs	3	212	.....
Barges	13	1,400	.....
Total	142	2,658	8,762

All the above vessels engaged in coastwise traffic, and use of harbor.

APALACHICOLA RIVER, CUT-OFF, LEE SLOUGH, AND LOWER CHIPOLA RIVER, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1912	143,503	$13,215,737	.....	1917	88,424	$7,056,565	8,131
1913	153,732	13,498,409	.....	1918	83,105	6,287,426	7,549
1914	122,097	12,954,540	.....	1919	85,079	6,524,640	8,145
1915	94,418	7,802,525	.....	1920	63,510	4,110,450	7,051
1916	89,580	6,940,311	7,096	1921	50,276	1,924,763	5,812

Freight traffic, 1921.

[Navigation season, entire year.]

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, DOWNSTREAM.						*Miles.*	
Animals and animal products	.....	.....	201	.....	$68,375	.....	.....
Other cattle	.....	23	.....	$6,900	.....	110	$0.054
Hams and shoulders, cured	.....	21	.....	10,500	.....	80	.045
Bacon, side meat	.....	88	.....	26,400	.....	80	.045
Canned meats, various	.....	6	.....	2,600	.....	80	.036
Milk and cream, condensed	.....	4	.....	1,100	.....	80	.036
Butter	.....	2	.....	1,150	.....	110	.045
Cheese, other	.....	3	.....	1,750	.....	80	.091
Salt fish	.....	3	.....	675	.....	80	.045
Canned fish, various	.....	4	.....	1,500	.....	80	.036
Lard and substitutes	.....	29	.....	7,960	.....	80	.045
Cattle hides	.....	14	.....	840	.....	90	.054
Leather manufactures	.....	4	.....	7,000	.....	80	.109
Vegetable food products	.....	.....	1,964	.....	163,685	.....	.....
Corn, grain	.....	300	.....	9,600	.....	85	.036
Corn meal	.....	94	.....	3,760	.....	80	.036
Oats, grain	.....	270	.....	9,450	.....	80	.036
Rice, grain	.....	23	.....	2,300	.....	80	.036
Wheat, grain	.....	220	.....	14,650	.....	80	.036
Wheat flour	.....	113	.....	10,425	.....	80	.036
Hay, baled	.....	390	.....	7,890	.....	80	.055
Prepared feeds	.....	75	.....	3,000	.....	80	.036
Peas and beans, dried	.....	5	.....	675	.....	80	.036
Potatoes	.....	23	.....	1,380	.....	80	.036
Vegetables, fresh	.....	14	.....	1,360	.....	110	.064
Vegetables, canned	.....	3	.....	900	.....	80	.036
Fruits, various	.....	28	.....	11,200	.....	110	.091
Fruits, dried	.....	4	.....	1,500	.....	90	.073
Fruits, canned and preserved	.....	3	.....	1,275	.....	100	.036

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APALACHICOLA RIVER, CUT-OFF, LEE SLOUGH, AND LOWER CHIPOLA RIVER, FLA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, DOWNSTREAM—con.							
Vegetable food products—Con.						*Miles.*	
Cotton seed		20		$600		75	$0.029
Coffee, roasted		27		10,800		80	.091
Sugar		142		17,080		80	.036
Molasses and sirups		83		6,640		90	.064
All other, miscellaneous		127		49,200		80	.055
Other vegetable products			2,753		$175,335		
Rubber manufactures		1		975		110	.045
Resin		2,185		69,920		70	.025
Wood turpentine		561		95,370		70	.050
Seeds, field and forage plants		2		1,270		80	.045
Tobacco manufactures		4		7,800		80	.091
Textiles			143		63,400		
Cotton, short staple		126		50,400		60	.05
Cotton manufactures		5		4,700		85	.136
Bagging for cotton		3		900		80	.045
Other fiber manufactures		5		1,750		85	.064
Wool manufactures		4		5,650		80	.136
Wood and paper			27,341		136,402		
Logs, pine and cypress	12,997			54,444			Rafted.
Logs, hardwood	12,101			49,423			Rafted.
Crossties	832			8,320		60	.027
Sawed lumber, pine and cypress		1,376		17,880		70	.025
Shingles		26		1,660		60	.038
Furniture, wood, finished		5		3,750		80	.136
Manufactures of paper		4		925		80	.091
Nonmetallic minerals			393		7,690		
Illuminating oils		28		1,120		90	.045
Lubricating oils		8		790		100	.036
Cement		42		840		80	.033
Glass and glass products		2		1,150		80	.091
Brick	275			2,750		70	.024
Salt		38		1,040		90	.027
Ores, metals, and manufactures of			132		34,860		
Nails, wire		26		3,640		80	.054
Wire, barbed and fencing		40		8,000		80	.091
Tools, various		9		2,700		80	.091
All other, miscellaneous		57		20,520		85	.054
Machinery and vehicles			42		20,600		
Power generating machinery, various		7		3,225		80	.091
Agricultural implements, various		21		8,500		80	.082
Automobiles		10		7,200		110	.107
Wagons		4		1,675		85	.064
Chemicals			950		54,005		
Soda and sodium compounds		4		340		85	.107
Medicinal preparations		4		3,250		80	.136
Pigments, paints, and varnishes		6		1,950		85	.073
Prepared fertilizers		900		38,700		80	.03
Cartridges and shells		6		3,925		80	.064
Soaps		21		1,890		80	.036
All other, miscellaneous		9		3,950		90	.054
Miscellaneous			57		22,700		
Baking powder		4		1,500		80	.15
All other, miscellaneous		53		21,200		85	.054
Total, downstream	26,205	7,771	33,976		747,052		
SHIPMENTS, UPSTREAM.							
Animals and animal products			141		47,340		
Other cattle		19		5,700		90	.064
Hams and shoulders, cured		22		11,000		85	.045
Bacon, side meat		44		13,200		80	.045
Canned meats, various		6		2,670		80	.036
Milk and cream, condensed		3		825		80	.036
Butter		1		575		110	.045
Cheese, other		3		1,800		100	.091

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APALACHICOLA RIVER, CUT-OFF, LEE SLOUGH, AND LOWER CHIPOLA RIVER, FLA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, UPSTREAM—contd.							
Animals and animal products—Continued.						*Miles.*	
Fish and shellfish		15		$3,375		110	$0.045
Canned fish, various		6		2,250		95	.036
Lard and substitutes		21		5,875		80	.045
Cattle hides		1		70		80	.054
Vegetable food products			1,481		$220,950		
Corn, grain		162		5,184		90	.036
Corn meal		50		2,000		90	.036
Oats, grain		148		5,180		90	.036
Rice, grain		3		300		80	.036
Wheat, grain		83		5,596		90	.036
Wheat flour		65		6,000		85	.036
Hay, baled		136		2,700		80	.055
Prepared feeds		70		2,800		80	.036
Peas and beans, dried		2		280		80	.036
Potatoes		24		1,440		90	.036
Vegetables, fresh		5		450		110	.064
Vegetables, canned		4		1,225		90	.036
Fruits, various		255		102,000		90	.091
Fruits, dried		4		1,650		100	.073
Fruits, canned and preserved		5		2,125		100	.036
Cotton seed		26		780		90	.027
Coffee, roasted and green		19		7,500		100	.091
Sugar		65		7,800		80	.036
Molasses and sirups		233		18,640		90	.064
All other, miscellaneous		122		47,300		100	.055
Other vegetable products			9,750		632,846		
Resin		7,500		240,000		70	.024
Wood turpentine		2,052		378,116		70	.054
Tar and pitch		193		7,720		90	.03
Seeds, field and forage plants		2		1,260		80	.045
Tobacco, manufacture		3		5,750		80	.091
Textiles			142		61,020		
Cotton, short staple		130		52,000		60	.05
Cotton manufactures		3		2,820		85	.136
Bagging for cotton		1		300		80	.045
Other fiber manufactures		2		700		110	.064
Wool		3		1,050		80	.091
Wool manufactures		3		4,150		85	.136
Wood and paper			4,004		86,170		
Telegraph poles	1,600			48,000		30	.029
Cross ties	525			5,250		63	.03
Sawed lumber, pine and cypress		1,740		22,620		70	.025
Shingles		135		8,225		60	.038
Furniture, wood, finished		2		1,650		80	.136
Manufactures of paper		2		425		80	.091
Nonmetallic minerals			145		3,880		
Illuminating oils		14		560		95	.045
Lubricating oils		8		775		95	.036
Cement		50		1,010		80	.033
Brick	28			285		85	.024
Salt		45		1,250		110	.027
Ores, metals and manufactures of			88		25,115		
Nails, wire		23		3,220		100	.054
Wire, barbed and fencing		8		1,540		80	.091
Tools, various		4		1,275		85	.091
All other, miscellaneous		53		19,080		85	.054
Machinery and vehicles			25		20,120		
Power generating machinery, various		9		4,700		80	.091
Agricultural implements, various		7		2,770		85	.082
Automobiles		7		11,900		110	.107
Wagons		2		750		80	.064
Chemicals			379		22,250		
Soda and sodium compounds		2		160		90	.107
Medicinal preparations		1		825		110	.136
Pigments, paints and varnishes		2		650		80	.073
Prepared fertilizers		360		15,900		80	.03

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APALACHICOLA RIVER, CUT-OFF, LEE SLOUGH, AND LOWER CHIPOLA RIVER, FLA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, UPSTREAM—contd.							
Chemicals—Continued.						*Miles.*	
Cartridges and shells		2		$1,320		80	$0.064
Soaps		5		450		90	.036
All other, miscellaneous		7		2,945		90	.054
Miscellaneous			145		$58,020		
Baking powder		2		820		80	.15
All other, miscellaneous		143		57,200		85	.054
Total shipments, upstream	2,153	14,147	16,300		1,177,711		
Total shipments, downstream	26,205	7,771	33,976		747,052		
Total shipments	28,358	21,918	50,276		1,924,763		

SUMMARY.

Classes of commodities.	Downstream.		Upstream.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, etc.	201	$68,375	141	$47,340	342	$115,715
Vegetable food products, etc.	1,964	163,685	1,481	220,950	3,445	384,635
Other vegetable products, etc.	2,753	175,335	9,750	632,846	12,503	808,181
Textiles	143	63,400	142	61,020	285	124,420
Wood and paper	27,341	136,402	4,004	86,170	31,345	222,572
Nonmetallic minerals	393	7,690	145	3,880	538	11,570
Ores, metals, etc.	132	34,860	88	25,115	220	59,975
Machinery and vehicles	42	20,600	25	20,120	67	40,720
Chemicals	950	54,005	379	22,250	1,329	76,255
Unclassified, miscellaneous	57	22,700	145	58,020	202	80,720
Total	33,976	747,052	16,300	1,177,711	50,276	1,924,763

Vessel classification, 1921.

Class.	Number.	Net registered tonnage.
Registered: Steamers	5	633
Unregistered:		
Barges	3	300
Rafts	263	

UPPER CHIPOLA RIVER, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1898	490	$20,612		1912	6,289	$318,168	
1899	24,236	540,707		1913	10,006	319,792	
1900	9,476	314,000		1914	7,337	352,205	
1901	7,324	402,820		1915	10,419	428,695	
1902	10,716	637,000		1916	7,521	450,595	419
1903	5,110	510,000		1917	8,026	567,727	360
1904	(1)	408,500		1918	8,243	569,256	337
1905	1,758	88,000		1919	12,230	1,003,969	302
1907		[2] 100,000		1920	12,079	938,575	289
1908		[2] 100,000		1921	8,126	374,983	260

[1] No statistics available. [2] Fiscal year.

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UPPER CHIPOLA RIVER, FLA.—continued.

[Navigation season, entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	Classes.		
SHIPMENTS, DOWNSTREAM.						*Miles.*	
Animals and animal products			32		$7,370		
Hams and shoulders, cured		3		$1,500		40	$0.125
Bacon, side meat		12		3,600		40	.125
Canned meats, various		1		490		40	.10
Milk and cream, condensed		1		280		40	.10
Lard and substitutes		5		1,500		40	.125
Vegetable food products			103		13,970		
Corn meal		9		365		40	.10
Wheat flour		18		1,625		40	.10
Cotton seed		10		300		40	.075
Molasses and sirups		46		3,680		40	.125
All other, miscellaneous		20		8,000		40	.125
Other vegetable products			4,082		245,440		
Resin		3,250		104,000		40	.05
Wood turpentine		832		141,440		40	.12
Wood and paper			2,133		10,330		
Logs, pine and cypress (rafted)	1,952			9,602		40	
Logs, hardwood (rafted)	181			728		40	
Miscellaneous: All other		20	20	8,000	8,000	40	.125
Total, downstream	2,133	4,227	6,360		285,110		
SHIPMENTS, UPSTREAM.							
Animals and animal products			77		25,355		
Hams and shoulders, cured		10		4,875		40	.125
Bacon, side meat		42		12,600		40	.125
Canned meats, various		4		2,000		40	.10
Lard and substitutes		21		5,880		40	.125
Vegetable food products			710		31,059		
Corn, grain		102		3,275		40	.10
Corn meal		41		1,650		40	.10
Oats, grain		157		5,024		40	.10
Rice, grain		2		205		40	.10
Wheat, grain		94		6,000		40	.10
Wheat flour		40		3,625		40	.10
Hay, baled		175		3,500		40	.15
Prepared feeds		43		1,720		40	.10
Fruits, dried and evaporated		1		420		40	.10
Fruits, canned		1		425		40	.10
Coffee, roasted and green		7		2,775		40	.15
Sugar		7		840		40	.10
All other, miscellaneous		40		1,600		40	.10
Wood and paper			741		8,149		
Cross ties	560			5,600		50	.04
Sawed lumber, pine and cypress		176		2,249		60	.033
Shingles		5		300		60	.05
Nonmetallic minerals			70		1,090		
Brick	55			550		60	.033
Illuminating oils		2		80		40	.125
Lubricating oils		1		90		40	.125
Salt		12		370		40	.10
Ores, metals and manufactures of			31		6,020		
Nails, wire		8		1,120		50	.125
Wire, barbed and fencing		22		4,400		50	.20
Tools, various		1		500		50	.20
Chemicals			104		4,975		
Soda and sodium compound		1		80		40	.20
Paints, stains, etc.		2		675		40	.15
Prepared fertilizers		98		3,920		40	.075
Soaps		3		300		40	.125
Miscellaneous			33		13,225		
Baking powder		1		425		60	.20
All other, miscellaneous		32		12,800		50	.20
Total, upstream	615	1,151	1,766		89,873		
Total, downstream	2,133	4,227	6,360		285,110		
Total shipments	2,748	5,378	8,126		374,983		

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UPPER CHIPOLA RIVER, FLA.—continued.

SUMMARY.

Classes of commodities.	Downstream.		Upstream.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, etc.	22	$7,370	77	$25,355	199	$32,725
Vegetable food products, etc.	103	13,970	710	31,059	813	45,029
Other vegetable products, etc.	4,082	245,440	.....	.....	4,082	245,440
Wood and paper	2,133	10,330	741	8,149	2,874	18,479
Nonmetallic minerals	.....	.....	70	1,090	70	1,090
Ores, metals, etc.	.....	.....	31	6,020	31	6,020
Chemicals	.....	.....	104	4,975	104	4,975
Unclassified, miscellaneous	20	8,000	33	13,225	53	21,225
Total	6,360	285,110	1,766	89,873	8,126	374,983

Vessel classification, 1921.

Class.	Number.	Net registered tonnage.
Registered steamers	1	50
Barges	1	100
Rafts	21	.....

FLINT RIVER, GA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1896	3,024	$195,000	.....	1909	29,809	$2,692,565	.....
1897	4,818	240,900	.....	1910	30,243	2,794,776	.....
1898	11,235	898,800	.....	1911	10,448	785,159	.....
1899	18,055	982,025	.....	1912	26,683	1,599,335	3,930
1900	29,984	1,500,000	.....	1913	33,594	2,176,541	4,666
1901	17,312	855,000	.....	1914	37,537	2,351,113	3,850
1902	34,549	1,727,000	.....	1915	23,603	1,698,848	3,660
1903	26,316	1,315,800	.....	1916	26,607	2,069,386	3,256
1904	30,792	1,539,600	.....	1917	29,563	1,810,958	2,430
1905	16,711	740,106	.....	1918	23,868	1,702,268	2,104
1906	8,245	850,000	.....	1919	22,246	2,030,613	1,945
1907	13,145	1,182,585	.....	1920	17,339	2,038,775	2,028
1908	2,800	100,000	.....	1921	12,866	946,299	1,855

[Navigation season, entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, DOWNSTREAM.						*Miles.*	
Animals and animal products	.....	.....	75	.....	$29,340	.....	.....
Hams and shoulders, cured	.....	7	.....	$3,500	.....	30	$0.045
Bacon, side meat	.....	33	.....	9,900	.....	30	.045
Canned meats, various	.....	4	.....	1,750	.....	30	.036
Milk and cream, condensed	.....	3	.....	840	.....	30	.036
Cheese, other	.....	2	.....	1,200	.....	30	.091
Salt fish	.....	2	.....	450	.....	30	.045
Canned fish, various	.....	3	.....	900	.....	30	.036
Lard and substitutes	.....	18	.....	5,400	.....	30	.045
Leather manufactures	.....	3	.....	5,400	.....	30	.109

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FLINT RIVER, GA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, DOWNSTREAM—con.						*Miles.*	
Vegetable food products			1,538		$110,227		
Corn		260		$8,320		30	$0.036
Corn meal		90		3,600		30	.036
Oats		108		3,780		30	.036
Rice		20		2,000		30	.036
Wheat		122		7,980		30	.036
Wheat flour		103		9,507		30	.036
Hay, baled		370		7,400		30	.055
Prepared feeds		130		5,200		30	.036
Peas and beans, dried		5		700		30	.036
Potatoes		20		1,200		30	.036
Canned vegetables		3		900		30	.036
Fruits, various		1		400		30	.091
Fruits, dried		3		1,275		30	.073
Fruits, canned and preserved		8		1,275		30	.036
Cotton seed		20		600		25	.029
Coffee, roasted		18		7,200		30	.091
Sugar		137		16,440		30	.036
Molasses and sirups		50		4,000		25	.064
Soda water, etc.		5		500		30	.136
All other, miscellaneous		70		28,000		30	.055
Other vegetable products			1,446		102,141		
Resin		1,100		35,200		30	.024
Wood turpentine		340		57,941		30	.054
Seeds for sowing		2		1,200		30	.045
Tobacco, manufactures of		4		7,800		30	.091
Textiles			178		81,050		
Cotton, short staple		163		65,000		25	.05
Cotton manufactures		4		3,750		30	.136
Bagging for cotton		3		900		30	.045
Other fiber manufactures		4		1,400		30	.064
Wool manufactures		4		10,000		30	.136
Wood and paper			726		14,855		
Sawed lumber, pine and cypress		700		9,000		30	.025
Shingles		18		1,080		30	.038
Furniture, wood, finished		5		4,100		30	.136
Manufactures of paper		3		675		30	.091
Nonmetallic minerals			166		4,174		
Illuminating oils		5		200		30	.045
Lubricating oils		7		640		30	.036
Cement		34		720		30	.033
Glass and glass products		2		1,150		30	.091
Brick	92			814		30	.024
Salt		26		650		30	.027
Ores, metals, and manufactures of			39		9,445		
Nails, wire		8		1,120		30	.054
Wire, barbed and fencing		18		3,600		30	.041
Tools, various		7		2,250		30	.091
Miscellaneous metallic articles		6		2,475		30	.054
Machinery and vehicles			38		27,300		
Power generating machinery, various		7		3,200		30	.091
Agricultural implements, various		19		7,600		30	.082
Automobiles		9		15,300		35	.107
Wagons		3		1,200		30	.064
Chemicals			784		42,490		
Soda and sodium compounds		2		160		30	.107
Medicinal preparations		4		3,250		30	.136
Pigments, paints, and varnishes		3		975		30	.073
Fertilizers, prepared		750		32,300		30	.03
Cartridges and shells		5		3,300		30	.064
Soaps		18		1,620		30	.036
All other, miscellaneous		2		885		30	.054

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FLINT RIVER, GA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, DOWNSTREAM—con.						Miles.	
Miscellaneous			48		$44,700		
Baking powder		3		$1,300		30	$0.15
All other, miscellaneous		45		43,400		30	.054
Total, downstream	92	4,946	5,038		465,722		
SHIPMENTS, UPSTREAM.							
Animals and animal products			64		23,310		
Other cattle	4			1,200		30	.054
Hams and shoulders, cured		9		4,500		30	.045
Bacon, side meat		25		7,500		30	.045
Canned meats, various		4		1,750		30	.036
Milk and cream, condensed		2		560		30	.036
Cheese, other		1		600		30	.091
Canned fish, various		3		900		30	.036
Lard and substitutes		15		4,500		30	.045
Leather manufactures		1		1,800		30	.109
Vegetable food products			707		71,124		
Corn, grain		90		2,880		30	.036
Corn meal		12		480		30	.036
Oats, grain		64		2,240		30	.036
Rice, grain		2		200		30	.036
Wheat, grain		56		3,733		30	.036
Wheat flour		57		5,161		30	.036
Hay, baled		122		2,240		30	.055
Prepared feeds		63		2,780		30	.036
Peas and beans, dried		2		280		30	.036
Potatoes		20		1,200		30	.036
Canned vegetables		2		600		30	.036
Fruits, various		80		32,000		30	.091
Fruits, dried		1		425		30	.073
Fruits, canned, and preserved		1		425		30	.036
Cotton seed		6		180		30	.027
Coffee, roasted		14		5,600		30	.091
Sugar		20		2,400		30	.036
Molasses and sirups		90		7,200		30	.064
Soda water, etc		3		300		30	.136
All other, miscellaneous		2		800		30	.055
Other vegetable products			4,321		248,860		
Resin		3,550		113,600		30	.024
Wood turpentine		768		130,560		30	.054
Seeds for sowing		1		600		30	.045
Tobacco, manufactures of		2		4,100		30	.091
Textiles			58		28,175		
Cotton, short staple		50		20,000		25	.05
Cotton manufactures		2		1,825		30	.136
Bagging for cotton		1		300		30	.045
Other fiber manufactures		1		300		30	.064
Wool		2		750		30	.091
Wool manufactures		2		5,000		30	.136
Wood and paper			2,234		62,470		
Telegraph poles	1,600			48,000		35	.029
Sawed lumber, pine and cypress		540		7,020		30	.025
Shingles		90		5,400		30	.038
Furniture, wood, finished		2		1,600		30	.136
Manufactures of paper		2		450		30	.091
Nonmetallic minerals			5		275		
Illuminating oils		2		80		30	.045
Lubricating oils		2		170		30	.036
Salt		1		25		30	.027
Ores, metals, and manufactures of			14		3,435		
Nails, wire		2		270		30	.054
Wire, barbed and fencing		7		1,400		30	.091
Tools, various		3		975		30	.091
Miscellaneous metallic articles		2		790		30	.054

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FLINT RIVER, GA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, UPSTREAM—contd.						*Miles.*	
Machinery and vehicles			21		$15,440		
Power generating machinery, various		8		$3,700		30	$0.091
Agricultural machinery and implements		6		2,450		30	.062
Automobiles		5		8,500		35	.107
Wagons		2		790		30	.064
Chemicals			369		17,213		
Soda and sodium compounds		1		80		30	.107
Pigments, paints, and varnishes		2		650		30	.073
Prepared fertilizers		360		14,500		30	.03
Cartridges and shells		2		1,320		30	.064
Soaps		3		270		30	.036
All other, miscellaneous		1		393		30	.064
Miscellaneous			35		10,275		
Baking powder		2		800		30	.15
All other, miscellaneous		33		9,475		30	.054
Total, upstream	1,604	6,224	7,828		480,577		
Total, downstream	92	4,946	5,038		465,722		
Total shipments	1,696	11,170	12,866		946,299		

SUMMARY.

Classes of commodities.	Downstream.		Upstream.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, etc.	75	$29,340	64	$23,310	139	$52,650
Vegetable food products, etc.	1,538	110,227	707	71,124	2,245	181,351
Other vegetable products, etc.	1,446	102,141	4,321	248,860	5,767	351,001
Textiles	178	81,050	58	28,175	236	109,225
Wood and paper	726	14,855	2,234	62,470	2,960	77,325
Nonmetallic minerals	166	4,174	5	275	171	4,449
Ores, metals, etc.	39	9,445	14	3,435	53	12,880
Machinery and vehicles	38	27,300	21	15,440	59	42,740
Chemicals	784	42,490	369	17,213	1,153	59,703
Unclassified, miscellaneous	48	44,700	35	10,275	83	54,975
Total	5,038	465,722	7,828	480,577	12,866	946,299

Vessel classification, 1921.

Class.	Number.	Net registered tonnage.
Registered, steamers	3	371
Unregistered, barges	1	100

CHATTAHOOCHEE RIVER, GA. AND ALA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1912	100,122	$11,742,547	9,049	1917	46,928	$5,320,592	6,734
1913	107,238	11,951,481	8,788	1918	47,004	5,511,113	6,832
1914	93,442	10,103,756	9,708	1919	50,558	4,874,553	4,350
1915	70,105	7,869,126	5,227	1920	24,696	3,023,025	3,447
1916	52,473	5,527,969	5,121	1921	5,373	620,879	883

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CHATTAHOOCHEE RIVER, GA. AND ALA.—continued.

[Navigation season, entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	Classes.		
SHIPMENTS, DOWNSTREAM.						*Miles.*	
Animals and animal products			31		$11,740		
Other cattle	10			$3,000		110	$0.054
Hams and shoulders, cured		3		1,500		110	.045
Bacon, side meat		9		2,700		110	.045
Canned meats, various		1		425		110	.036
Milk and cream, condensed		1		280		110	.036
Butter		1		600		110	.045
Salt fish		1		235		110	.045
Canned fish, various		2		600		110	.036
Lard and substitutes		2		600		110	.045
Leather manufactures		1		1,800		110	.109
Vegetable food products			793		65,545		
Corn, grain		150		5,500		110	.036
Corn meal		10		400		110	.036
Grits and hominy		2		90		110	.036
Rice, grain		2		200		110	.036
Wheat, grain		105		7,000		110	.036
Wheat flour		150		13,500		110	.036
Bread, biscuits, etc		2		600		110	.091
Hay, baled		35		700		110	.055
Prepared feeds		20		800		110	.036
Other fodders and feeds		10		200		110	.036
Other fresh vegetables		15		1,250		110	.064
Canned vegetables		7		2,000		110	.036
Dried and evaporated fruits		1		400		110	.073
Canned fruits, various		1		425		110	.036
Cotton seed		68		2,040		110	.027
Coffee, roasted		8		3,200		110	.091
Sugar		107		12,840		110	.036
Molasses and sirups		80		6,400		110	.064
All other, miscellaneous		20		8,000		110	.064
Other vegetable products			1,217		80,710		
Rubber manufactures		1		1,000		110	.045
Resin		950		30,400		190	.011
Wood turpentine		263		44,710		190	.026
Seeds, field and forage plants		1		600		110	.045
Manufactures of tobacco		2		4,000		110	.091
Textiles			129		55,750		
Cotton, short staple		118		47,200		80	.05
Cotton manufactured		4		4,000		110	.136
Bagging for cotton		1		300		110	.045
Other fiber manufactures		5		1,750		110	.064
Wool manufactures		1		2,500		110	.136
Wood and paper			8		1,385		
Shingles		6		360		80	.038
Furniture, wood, finished		1		800		110	.136
Manufactures of paper		1		225		110	.091
Nonmetallic minerals			128		3,272		
Illuminating oils		6		240		110	.045
Lubricating oils		2		200		110	.036
Cement		56		1,188		90	.033
Glass and glass products		1		600		110	.091
Brick	40			354		110	.024
Salt		23		690		110	.027
Ores, metals, and manufactures of			23		5,800		
Nails, wire		7		980		110	.054
Wire, barbed and fencing		13		2,600		110	.091
Tools, various		1		320		110	.091
Miscellaneous metallic articles		1		400		110	.054
Copper and brass manufactures		1		1,500		110	.091
Machinery and vehicles			17		11,120		
Power generating machinery, various		1		470		110	.091
Agricultural implements, various		10		3,750		110	.082
Automobiles		5		6,500		140	.107
Wagons		1		400		110	.064

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CHATTAHOOCHEE RIVER, GA. AND ALA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, DOWNSTREAM—con.							
						Miles.	
Chemicals			818		$37,000		
Soda and sodium compounds		1		$80		110	$0.107
Medicinal and pharmaceutical preparations		1		750		110	.136
Pigments, paints, and varnishes		1		320		110	.073
Fertilizers, prepared		810		34,830		90	.037
Cartridges and shells		1		660		110	.064
Soaps		4		360		110	.036
Miscellaneous			25		9,080		
Baking powder		2		800		110	.15
All other, miscellaneous		23		8,280		110	.054
Total, downstream	50	3,139	3,189	281,402	281,402		
SHIPMENTS, UPSTREAM.							
Animals and animal products			192		63,955		
Other cattle	80			24,000		110	.054
Hams and shoulders, cured		16		8,000		110	.045
Bacon, side meat		63		18,900		110	.045
Eggs and poultry		7		4,550		110	.064
Canned meats, various		1		425		110	.036
Butter		1		600		110	.045
Fish and shellfish		5		2,500		220	.022
Canned fish		1		300		220	.023
Lard and substitutes		15		4,500		110	.045
Cattle hides		3		180		110	.091
Vegetable food products			1,034		82,571		
Corn, grain		40		1,475		110	.036
Corn meal		41		1,640		110	.036
Grits and hominy		7		280		110	.036
Oats, grain		73		2,336		110	.036
Rice, grain		7		700		110	.036
Wheat, grain		60		3,900		110	.036
Wheat flour		52		4,800		110	.036
Hay, baled		102		2,040		110	.055
Prepared feeds		11		400		110	.036
Beans, dried		3		420		110	.036
Potatoes		50		3,000		110	.036
Other fresh vegetables		3		270		110	.036
Canned vegetables		3		900		110	.036
Subtropical fruits, miscellaneous		72		28,800		110	.091
Cotton seed		279		8,250		110	.027
Coffee, roasted and green		10		4,000		110	.091
Sugar		42		5,040		110	.036
Molasses and sirups		179		14,320		110	.064
Other vegetable products			117		12,790		
Rubber manufactures		2		2,000		110	.045
Resin		90		2,880		85	.024
Wood turpentine		23		3,910		85	.054
Tobacco manufactures		2		4,000		110	.091
Textiles			380		157,050		
Cotton, short staple		372		148,800		90	.044
Manufactures of cotton		2		2,000		110	.136
Bagging for cotton		3		900		110	.045
Rope, cables, and cordage		1		350		110	.064
Woolen manufactures		2		5,000		110	.136
Wood and paper			225		4,540		
Sawed lumber, pine and cypress	200			2,360		90	.025
Shingles		21		1,260		90	.033
Roofing felts		4		920		90	.067
Nonmetallic minerals			38		2,095		
Illuminating oils		22		880		110	.045
Lublicating oils		8		800		110	.036
Crockery, miscellaneous		1		350		110	.136
Brick	7			65		85	.031

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CHATTAHOOCHEE RIVER, GA. AND ALA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, UPSTREAM—contd.							
Ores, metals, and manufactures of			7		$1,480	*Miles.*	
Nails, wire		2		$280		110	$0.054
Wire, barbed and fencing		3		600		110	.091
Miscellaneous metallic articles		2		600		110	.091
Machinery and vehicles: Agricultural machinery and implements		2	2	800	800	110	.082
Chemicals: Prepared fertilizers		172	172	7,396	7,396	100	.033
Miscellaneous: All other		17	17	6,800	6,800	110	.054
Total, upstream	287	1,897	2,184		339,477		
Total, downstream	50	3,139	3,189		281,402		
Total shipments	337	5,036	5,373		620,879		

SUMMARY.

Classes of commodities.	Downstream.		Upstream.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, etc.	31	$11,740	192	$63,955	223	$75,695
Vegetable food products, etc.	793	65,545	1,034	82,571	1,827	148,116
Other vegetable products, etc.	1,217	80,710	117	12,790	1,334	93,500
Textiles	129	55,750	380	157,050	509	212,800
Wood and paper	8	1,385	225	4,540	233	5,925
Nonmetallic minerals	128	3,272	38	2,095	166	5,367
Ores, metals, etc.	23	5,800	7	1,480	30	7,280
Machinery and vehicles	17	11,120	2	800	19	11,920
Chemicals	818	37,000	172	7,396	990	44,396
Unclassified, miscellaneous	25	9,080	17	6,800	42	15,880
Total	3,189	281,402	2,184	339,477	5,373	620,879

Vessel classification, 1921.

Class.	Number.	Net registered tonnage.
Registered, steamers	[1] 2	418
Unregistered, barges	2	200

[1] Steamer City of Eufaula, operating on this river, was burned on Feb. 11, 1921. Steamer John W. Callahan began operating on Chattahoochee River on Nov. 10, 1921.

CHANNEL FROM APALACHICOLA RIVER TO ST. ANDREWS BAY, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1915	775	$4,588	(1)	1919	206	$2,063	(1)
1916	25,811	154,368	(1)	1920	836	11,232	[2] 1,250
1917	1,142	58,208	(1)	1921	3,432	99,744	[2] 4,860
1918	8,612	74,996	(1)				

[1] No data available.
[2] This figure is estimated. It covers number of persons passing through canal in small motor boats on pleasure and fishing parties during 1920 and 1921.

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CHANNEL FROM APALACHICOLA RIVER TO ST. ANDREWS BAY, FLA.—continued.

[Navigation season, entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.[1]
	Bulk.	Package.		By commodities.	By classes.		
GOING EAST.						*Miles.*	*Cents.*
Animals and animal products			16		$5,640		
Other meat products		6		$3,000		16	
Milk and cream		2		240		16	
Lard		8		2,400		16	
Vegetable food products			811		26,756		
Flour (wheat)		25		2,250		16	
Corn meal and grits		18		1,120		16	
All other grains		185		5,920		16	
Hay and feedstuffs		400		8,000		16	
Bran and middlings		137		3,836		16	
Beans, dried		2		280		16	
Potatoes, white		16		960		16	
Fruit, canned		2		750		16	
Coffee		4		1,600		16	
Sugar		7		840		16	
Sirup		15		1,200		16	
Other vegetable products: Tobacco, manufactured		1	1	1,200	1,200	16	
Textiles: Textile products		8	8	2,400	2,400	16	
Wood and paper: Logs and round timber (floated)	2,000		2,000	18,000	18,000	28	
Ores, metals, and manufactures of			17		3,440	16	
Wire		4		800		16	
Nails		2		280		16	
Other iron and steel		11		2,360		16	
Chemicals: Prepared fertilizer		48	48	1,536	1,536	16	
Unclassified: Miscellaneous articles		17	17	3,900	3,900	16	
Total	2,000	918	2,918		62,872		
GOING WEST.							
Other vegetable products			514		36,872		
Resin		366		11,712		14	
Turpentine (spirits of)		148		25,160		14	
Total		514	514		36,872		
Total going east and west	2,000	1,432	3,432		99,744		

SUMMARY.

Classes of commodities.	Going east.		Going west.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	16	$5,640			16	$5,640
Vegetable food products	811	26,756			811	26,756
Other vegetable products	1	1,200	514	$36,872	515	38,072
Textiles	8	2,400			8	2,400
Wood and paper	2,000	18,000			2,000	18,000
Ores, metals, and manufactures of	17	3,440			17	3,440
Chemicals	48	1,536			48	1,536
Unclassified	17	3,900			17	3,900
Total	2,918	62,872	514	36,872	3,432	99,744

[1] Supplies carried up on boats belonging to turpentine operators for sale from their commissaries. Rate per ton-mile not ascertainable.

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CHANNEL FROM APALACHICOLA RIVER TO ST. ANDREWS BAY, FLA.—continued.

Vessel classification, 1921.

Class.	Number.	Net registered tonnage.	Passengers.
Tugs	1	18	.....
Gasoline launches	30	86	[1] 4,860
Rafts	1	.....	.....
Total	32	104	4,860

[1] The number of passengers passing through canal are, of necessity, estimated.

ENTRANCE TO ST. JOSEPHS BAY, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1912	48,157	$555,214	1917	7,954	$83,517
1913	52,294	524,768	1918	2,761	42,522
1914	11,287	102,266	1919	1,662	101,966
1915	3,438	48,061	1920	28,455	605,700
1916	10,853	109,073	1921	5,358	174,772

[Navigation season, entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products: Fish (food)	860	.....	860	$111,800	$111,800	*Miles.* 9	Cargo.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Wood and paper: Lumber, yellow pine	4,498	4,498	$62,972	$62,972

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic receipts.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	.....	.....	860	$111,800	860	$111,800
Wood and paper	4,498	$62,972	.....	.....	4,498	62,972
Total	4,498	62,972	860	111,800	5,358	174,772

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ENTRANCE TO ST. JOSEPHS BAY, FLA.—continued.

Vessel classification, 1921.

Class.	Number.		Total.	Net registered tonnage
	American.	Foreign.		
Foreign trade:				
Sailing	3	2	5	4,300
Barges	1	.....	1	700
Coastwise trade: Gasoline launches	7	.....	7	48
Total	11	2	13	5,048

ST. ANDREWS BAY, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1912	76,562	$1,011,508	(1)	1917	75,511	$2,347,152	841
1913	116,622	1,837,351	(1)	1918	53,023	2,208,124	935
1914	115,991	2,219,380	(1)	1919	60,597	2,692,760	1,176
1915	130,479	3,355,902	(1)	1920	196,594	4,692,833	1,063
1916	110,268	2,561,204	(1)	1921	127,157	2,766,043	819

[1] No statistics available.

The above figures for 1920 and 1921 freight include intraport traffic; this has not been included previous to 1920.

[Navigation season, entire year.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products: Coconuts	43	43	$3,440	$3,440
Wood and paper: Mahogany logs	49	49	3,640	3,640
Total	92	92	7,080	7,080
EXPORTS.				
Other vegetable products: Resin	1,085	1,085	34,720	34,720
Wood and paper	.....	39,268	.....	588,945
Softwood:				
Timber, yellow pine	11,487	.....	172,230	.....
Lumber, yellow pine	27,781	.....	416,715	.....
Total	.....	40,353	.....	623,665
Total imports and exports	.....	40,445	.....	630,745

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ST. ANDREWS BAY, FLA.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	
Animal and animal products			1,739		$381,200		
Other meat products		103		$51,000		11	$0.05
Milk and cream		59		7,080		11	.04
Butter and cheese		3		1,920		11	.055
Fish (food)	1,510			302,000		11	Cargo.
Lard		64		19,200		11	.4
Vegetable food products			2,017		167,598		
Mixed feedstuffs		728		23,296		11	.035
Flour		283		25,470		11	.04
Corn meal, grits, and hominy		67		3,080		11	.04
All other grains		237		7,584		11	.04
Hay		71		1,420		11	.035
Bran and middlings		176		4,928		11	.04
Beans, dried		8		1,120		11	.04
Potatoes, white		85		5,100		11	.04
Onions		29		2,900		11	.05
Vegetables, canned		17		5,100		11	.04
Fruits, canned		172		68,800		11	.04
Coffee		14		5,600		11	.04
Sugar		100		12,000		11	.04
Sirup		30		1,200		11	.04
Other vegetable products			18		7,800		
Tobacco, manufactured		3		2,400		11	.015
Manila rope		15		5,400		11	.04
Wood and paper			195		20,340		
Barrels and casks, empty		188		18,800		11	.035
Paper		7		1,540		11	.04
Nonmetallic minerals: Lubricating oils		55	55	6,600	6,600	11	.04
Ores, metals and manufactures of			223		43,480		
Iron bars		81		9,720		11	.04
Wire		18		3,600		11	.04
Nails		16		2,240		11	.04
Screws, bolts, and rivets		6		1,800		11	.04
Other iron and steel		53		8,480		11	.04
Other metals and alloys		49		17,640		11	.04
Chemicals			155		7,238		
Lime		33		1,155		11	.04
Salt		71		1,775		11	.04
Lead compounds		4		1,200		11	.04
Prepared fertilizer		39		1,248		11	.03
Ammunition		2		1,320		11	.06
Soap		6		540		11	.04
Unclassified			1,155		278,190		
Miscellaneous merchandise		1,133		260,590		11	.045
Household furniture		22		17,600		11	.08
Total	1,510	4,047	5,557		912,446		
SHIPMENTS.							
Other vegetable products			4,258		219,194		
Resin		3,657		117,024		11	.035
Turpentine		601		102,170		11	.04
Wood and paper: Lumber	19,268		19,268	258,176	258,176	11	Cargo.
Unclassified			180		53,370		
Miscellaneous articles		159		36,570		11	.045
Household furniture		21		16,800		11	.08
Total	19,268	4,438	23,706		530,740		
Total receipts and shipments	20,778	8,485	29,263		1,433,186		
RECEIPTS, INTRAPORT.							
Other vegetable products			3,719		184,972		
Resin		3,241		103,712		21	Cargo.
Turpentine		478		81,260		21	Cargo.

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ST. ANDREWS BAY, FLA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTRAPORT—contd.						*Miles.*	*Cents.*
Wood and paper	.....	.....	53,730	.....	$507,140	.....	.....
Softwood:							
Logs and round timber	41,400	.....	.....	$331,200	.....	12	Rafted.
Lumber, yellow pine	8,680	.....	.....	112,840	.....	9	Barged.
Crossties, pine	2,900	.....	.....	40,600	.....	11	Barged.
Staves and headings	750	.....	.....	22,500	.....	21	Barged.
Total	53,730	3,719	57,449	.....	692,112	.....	.....

NOTE.—The intraport traffic covered by above table is that on St. Andrews Bay proper, and arms thereof. The resin and turpentine was shipped from arms of St. Andrews Bay by barges and launches for transshipment to Pensacola, and for foreign exports. The logs and lumber were towed to and from sawmills along the bay shore, the lumber being shipped from St. Andrews to foreign ports. The staves and headings were shipped to turpentine camps along the bay. It is impracticable to segregate receipts from shipments.

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ST. ANDREWS BAY, FLA.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.						Total.	
	Exports.		Imports.		Coastwise receipts.		Intraport.					
							Shipments.		Receipts.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products					1,739	$381,200					1,739	$381,200
Vegetable food products			43	$3,440	2,017	167,598					2,060	171,038
Other vegetable products	1,085	$34,720			18	7,800	4,258	$219,194	3,719	$184,972	9,080	446,686
Wood and paper	39,268	588,945	49	3,640	195	20,340	19,268	258,176	53,730	507,140	112,510	1,378,241
Nonmetallic minerals					55	6,600					55	6,600
Ores, metals, and manufactures of					223	43,480					223	43,480
Chemicals					155	7,238					155	7,238
Unclassified					1,155	278,190	180	53,370			1,335	331,560
Total	40,353	623,665	92	7,080	5,557	912,446	23,706	530,740	57,449	692,112	127,157	2,766,043

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ST. ANDREWS BAY, FLA.—continued.

Vessel classification, 1921.

Class.	Number.		Total.	Net registered tonnage.
	American.	Foreign.		
Foreign trade:				
Steamers	.....	7	7	25,200
Sailing	26	17	43	51,600
Tugs	3	.....	3	426
Barges	15	1	16	6,832
Total	44	25	69	84,058

Class.	Number.	Net registered tonnage.	Passengers.
Coastwise and intraport:			
Steamers	1	281	819
Fishing smacks	18	173	.....
Gasoline launches	31	74	.....
Barges	11	2,100	.....
Total	61	2,628	819

CHOCTAWHATCHEE RIVER, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1893	11,406	$1,065,800	1908	(1)	$2,211,651
1894	30,309	2,000,000	1909	(1)	1,750,000
1895	16,265	1,900,000	1910	(1)	2,000,000
1896	15,952	(1)	1911	(1)	2,000,000
1897	34,070	2,000,000	1912	68,184	1,732,292
1898	22,308	1,400,000	1913	73,877	1,585,969
1899	18,663	1,000,000	1914	25,440	919,688
1900	18,104	1,000,000	1915	30,466	1,019,627
1901	18,630	1,024,650	1916	26,289	948,617
1902	10,544	529,000	1917	18,426	803,993
1903	(1)	1,500,000	1918	22,616	777,177
1904	(1)	1,500,000	1919	25,556	1,196,268
1905	(1)	1,500,000	1920	13,384	907,485
1906	(1)	810,000	1921	43,418	542,184
1907	24,000	2,500,000			

[1] No statistics available.

In the above figures for 1919, 15,000 tons of logs, valued at $90,000—rafted down the river—was included; in the figures for 1920, 6,000 tons of logs, valued at $90,000, was included; for 1921, 31,395 tons of logs, valued at $113,022, is included.

Prior to report for 1920 all the commerce of La Grange Bayou was included in Choctawhatchee River reports. At present separate tables are made out for these streams.

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CHOCTAWHATCHEE RIVER, FLA.—continued.

[Navigation season, entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPSTREAM.						*Miles.*	
Animals and animal products			27		9,800		
Milk and cream		5		600		25	$0.04
Butter and cheese		6		3,800		25	.04
Fish, canned		2		600		25	.04
Lard		14		4,800		25	.04
Vegetable food products			640		44,202		
Flour		49		4,410		25	.04
Corn meal, grits and hominy		112		4,480		25	.04
All other grains		300		9,600		25	.04
Hay		25		500		25	.04
Bran and middlings		49		1,372		25	.04
Beans, dried		12		1,680		25	.04
Potatoes		26		1,560		25	.04
Onions		5		500		25	.04
Vegetables, canned		19		5,700		25	.04
Fruits, canned		24		9,600		25	.04
Coffee		9		3,600		25	.04
Sugar		10		1,200		25	.04
Other vegetable products:							
Tobacco, manufactured		3	3	6,000	6,000	25	.06
Textiles:							
Wearing apparel		5	95	10,000	37,000	25	.06
Miscellaneous textile products		90		27,000		25	.05
Wood and paper			80		3,260		
Lumber, yellow pine		60		1,260		25	.03
Barrels, empty		20		2,000		25	.04
Nonmetallic minerals			91		4,140		
Refined petroleum		13		520		25	.04
Gasoline		40		2,400		25	.03
Lubricating oils		3		300		25	.03
Cement		20		320		25	.04
Other clay products		15		600		25	.04
Ores, metals and manufactures of			112		19,000		
Wire		2		400		25	.04
Nails		5		700		25	.04
Other iron and steel		105		17,900		25	.04
Chemicals			114		3,860		
Lime		10		300		25	.04
Prepared fertilizer		100		3,200		25	.04
Soap		4		360		25	.04
Unclassified: Household furniture		6	6	4,800	4,800	25	.06
Total		1,168	1,168		132,062		
DOWNSTREAM.							
Other vegetable products			8,242		197,998		
Resin		2,559		81,888		25	.03
Turpentine		683		116,110		25	.04
Wood and paper			39,008		212,124		
Logs (floated)	31,395			113,022		5	Rafted.
Lumber, yellow pine	7,613			99,102		19	Barged.
Total	39,008	3,242	42,250	410,122	410,122		
Total upstream and downstream	39,008	4,410	43,418		542,184		

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CHOCTAWHATCHEE RIVER, FLA.—continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Upstream.		Downstream.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	27	$9,800			27	$9,800
Vegetable food products	640	44,202			640	44,202
Other vegetable products	3	6,000	3,242	$197,998	3,245	203,998
Textiles	95	37,000			95	37,000
Wood and paper	80	3,260	39,008	212,124	39,088	215,384
Nonmetallic minerals	91	4,140			91	4,140
Ores, metals and manufactures of	112	19,000			112	19,000
Chemicals	114	3,860			114	3,860
Unclassified	6	4,800			6	4,800
Total	1,168	132,062	42,250	410,122	43,418	542,184

Vessel classification, 1921.

Class.	Number.	Net registered tonnage.	Passengers.
Steamers	1	57	85
Schooners (lumber)	2	45	
Barges	3	320	
Rafts	40		
Total	46	422	85

HOLMES RIVER, FLA.

Comparative statement.

Year.	Tons.	Value.	Year.	Tons.	Value.
1899	5,274	$290,000	1912	18,648	$851,165
1904	(1)	400,000	1913	23,430	900,626
1905	(1)	500,000	1914	13,284	691,968
1906	(1)	600,000	1915	14,477	737,508
1907	(1)	800,000	1916	14,555	788,463
1908	(1)	640,000	1917	12,372	648,151
1909	(1)	750,000	1918	16,667	685,510
1910	(1)	750,000	1919	4,475	39,200
1911	(1)	850,000	1921	563	21,466

[1] No statistics available.

There was no commerce during the calendar year 1920.

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HOLMES RIVER, FLA.—continued.

[Navigation season, entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPSTREAM.							
Chemicals: Prepared fertilizer	.....	200	200	$6,400	$6,400	*Miles.* 30	$0.028
DOWNSTREAM.							
Vegetable products	.....	.....	363	.....	15,066	.....	.....
Resin	.....	338	.....	10,816	.....	30	.028
Turpentine	.....	25	.....	4,250	.....	30	.028
Total	.....	.....	363	.....	15,066	.....	.....
Total upstream and downstream	.....	.....	563	.....	21,466	.....	.....

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Upstream.		Downstream.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable products	.....	.....	363	$15,066	363	$15,066
Chemicals	200	$6,400	.....	.....	200	6,400
Total	200	6,400	363	15,066	563	21,466

Vessel classification, 1921.

Only one steamer—of 20-ton capacity—navigated this river during the year.

NARROWS IN SANTA ROSA SOUND, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1912	50,932	$2,065,444	(1)	1917	32,895	$1,781,225	3,056
1913	85,132	3,193,523	(1)	1918	34,204	1,819,061	1,851
1914	49,645	2,054,839	(1)	1919	35,043	2,708,428	5,056
1915	55,699	2,461,173	(1)	1920	28,502	2,090,994	4,268
1916	55,789	2,451,204	(1)	1921	61,416	1,456,355	1,061

[1] No statistics available.

Thirty-one thousand three hundred and ninety-five tons of logs, valued at $113,022, included in the above figures for 1921, were floated through the Narrows.

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NARROWS IN SANTA ROSA SOUND, FLA.—continued.

[Navigation season, entire year.]

Freight traffic, 1921.

DOMESTIC.

Class and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
GOING EAST.						*Miles.*	
Animals and animal products			136		$40,780		
Eggs		6		$3,000		40	$0.04
Poultry		2		1,600		40	.05
Other meat products		5		2,500		40	.04
Milk and cream		50		6,000		40	.04
Butter and cheese		17		10,880		40	.05
Fish, canned		6		1,800		40	.04
Lard		50		15,000		40	.04
Vegetable food products			1,977		151,804		
Flour		447		40,230		40	.05
Corn meal, hominy		240		9,600		40	.04
All other grains		680		21,720		40	.04
Hay		86		1,720		40	.03
Bran and middlings		153		5,284		40	.03
Beans, dried		46		6,440		40	.035
Potatoes, white		103		6,180		40	.035
Onions		31		3,100		40	.04
Vegetables, canned		57		17,100		40	.04
Fruit, canned		61		24,400		40	.045
Coffee		28		11,200		40	.045
Sugar		33		3,960		40	.05
Sirup		12		960		40	.04
Other vegetable products			12		15,940		
Turpentine		2		340		40	.05
Seed for sowing		2		1,200		40	.07
Nursery and greenhouse stock		1		400		40	.07
Tobacco, manufactured		7		14,000		40	.06
Textiles			810		243,600		
Manila rope		10		3,600		40	.04
Miscellaneous textile products		800		240,000		40	.055
Wood and paper			42		4,440		
Barrels, empty		40		4,000		40	.065
Wrapping paper		2		440		40	.04
Nonmetallic minerals			255		10,504		
Refined petroleum		43		1,720		40	.04
Gasoline		94		3,800		40	.04
Lubricating oils		26		2,600		40	.04
Cement		54		864		40	.04
Clay and clay products		38		1,520		40	.04
Ores, metals and manufactures of			249		39,780		
Wire		8		1,600		40	.04
Nails		19		2,660		40	.04
Other iron and steel		222		35,520		40	.04
Machinery and vehicles			5		5,000		
Power-generating machinery		4		3,200		40	.04
Electric dynamos		1		1,800		40	.04
Chemicals			257		12,372		
Coal tar, crude		1		40		40	.03
Lime		6		1,800		40	.04
Prepared fertilizer		226		7,232		40	.03
Ammunition		2		1,320		40	.045
Soap		22		1,980		40	.04
Unclassified			70		31,490		
Miscellaneous merchandise		43		9,890		40	.05
Household furniture		27		21,600		40	.07
Total			3,813		555,800		
GOING WEST.							
Other vegetable products			6,484		395,858		
Resin		5,119		163,808		40	.03
Turpentine		1,365		232,050		40	.04
Wood and paper			51,119		504,337		
Logs, cypress, floated	31,395			113,022		40	Rafted.
Railroad ties	119			1,190		40	Cargo.
Yellow pine lumber	19,605			390,125		40	Barged.
Total	51,119	6,484	57,603		900,195		
Total going east and west	51,119	10,297	61,416		1,456,355		

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NARROWS IN SANTA ROSA SOUND, FLA.—continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Upstream (going east).		Downstream (going west).			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	136	$40,780			136	$40,780
Vegetable food products	1,977	151,894			1,977	151,894
Other vegetable products	12	15,940	6,484	$395,858	6,496	411,798
Textiles	810	243,600			810	243,600
Wood and paper	42	4,440	51,119	504,337	51,161	508,777
Nonmetallic minerals	255	10,504			255	10,504
Ores, metals, and manufactures of	249	39,780			249	39,780
Machinery and vehicles	5	5,000			5	5,000
Chemicals	257	12,372			257	12,372
Unclassified	70	31,490			70	31,490
Total	3,813	555,800	57,603	900,195	61,416	1,456,355

Vessel classification, 1921.

Class.	Number.	Net registered tonnage.	Passengers.
Steamers	1	57	215
Tugs	2	96	
Schooners	6	132	
Gasoline launches	7	64	846
Barges	4	280	
Rafts	20		
Total	40	629	1,061

BLACKWATER RIVER, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1912	123,124	$2,508,622	(1)	1917	118,593	$2,051,271	5,519
1913	125,940	2,176,079	(1)	1918	92,630	1,878,752	4,504
1914	136,917	2,130,039	(1)	1919	72,291	1,882,587	3,481
1915	131,118	2,048,353	(1)	1920	49,294	1,924,160	2,760
1916	107,580	1,794,858	(1)	1921	13,152	1,015,958	1,083

[1] No statistics available.

Nineteen thousand seven hundred and sixty-six tons of logs and crossties, valued at $158,745, rafted down the Blackwater River, is included in the above amounts for 1919; 12,720 tons of squared timber, valued at $229,400, which was rafted down the river from about 5 miles above its mouth, is included in the above amounts for 1920. No floated timber or logs is included in the report for 1921.

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BLACKWATER RIVER, FLA.—continued.

[Navigation season, entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPSTREAM.						*Miles.*	
Animals and animal products			400		$132,000		
Eggs		11		5,200		7	$0.07
Poultry		1		800		7	.07
Other meat products		91		44,200		7	.07
Milk and cream		115		13,800		7	.07
Butter and cheese		40		25,600		7	.07
Fish, fresh		20		4,800		7	.07
Fish, canned		70		21,000		7	.07
Lard		50		15,000		7	.07
Leather		2		1,600		7	.07
Vegetable food products			1,394		132,700		
Flour		150		13,500		7	.07
Corn meal, grits, and hominy		100		4,000		7	.07
All other grains		300		9,600		7	.07
Hay		250		5,000		7	.07
Bran and middlings		180		5,040		7	.07
Beans, dried		46		5,440		7	.07
Potatoes, white		108		6,480		7	.07
Onions		38		3,800		7	.07
Vegetables, canned		40		12,000		7	.07
Fruits, canned		36		10,800		7	.07
Coffee		60		48,000		7	.07
Sugar		54		6,480		7	.07
Sirup		32		2,560		7	.07
Other vegetable products			7		9,800		
Seed for sowing		3		1,800		7	.07
Tobacco, manufactured		4		8,000		7	.07
Textiles			48		29,000		
Cotton cloth		20		20,000		7	.07
Manila rope		10		3,600		7	.07
Miscellaneous textile products		18		5,400		7	.07
Nonmetallic minerals			615		37,510		
Lubricating oils		180		18,000		7	.07
Cement		110		1,760		7	.07
Other clay products		300		12,000		7	.07
Asbestos paper shingles		25		5,750		7	.07
Ores, metals and manufactures of			389		57,500		
Iron bars		200		24,000		7	.07
Steel bars		10		1,200		7	.07
Wire		94		18,800		7	.07
Nails		75		10,500		7	.07
Screws, nuts, bolts, and rivets		10		3,000		7	.07
Machinery and vehicles			29		15,140		
Electric machinery		2		1,800		7	.07
Other machinery, except agricultural		25		9,880		7	.07
Vehicles		2		3,460		7	.07
Chemicals			1,763		69,980		
Lime		105		3,200		7	.07
Prepared fertilizer		1,500		48,000		7	.07
Ammunition (small arms)		8		5,280		7	.07
Soap		150		13,500		7	.07
Unclassified			72		47,400		
Miscellaneous office supplies		9		19,800		7	.07
Miscellaneous articles		40		9,200		7	.07
Household furniture		23		18,400		7	.07
Total		4,717	4,717		531,030		
DOWNSTREAM.							
Animals and animal products			2[illegible]		83,520		
Cattle	30			9,500		7	.07
Hogs	33			8,800		7	.07
Eggs		45		22,500		7	.07
Poultry		36		28,800		7	.07

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BLACKWATER RIVER, FLA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
DOWNSTREAM—continued.							
Animals and animal products—Continued.						*Miles.*	
Fish, fresh		50		$12,000		7	$0.07
Oysters, in shell		42		1,680		7	.07
Hides and skins		4		240		7	.07
Vegetable food products			174		$45,600		
Potatoes		15		900		7	.07
Fruits (crated)		12		1,440		7	.07
Pecans		75		37,500		7	.07
Sirup		72		5,760		7	.07
Other vegetable products			5,049		245,848		
Resin		4,189		134,048		7	.07
Turpentine		860		111,800		7	.07
Wood and paper: Lumber, yellow pine	2,840		2,840	42,600	42,600	5	Cargo.
Machinery and vehicles: Miscellaneous machinery	50		50	20,000	20,000	7	.07
Unclassified			82		47,360		
Miscellaneous articles		32		7,360		7	.07
Household furniture	50			40,000		7	.07
Total	3,003	5,432	8,435		484,928		
Total upstream and downstream	3,003	10,149	13,152		1,015,958		

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Upstream.		Downstream.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	400	$132,000	240	$83,520	640	$215,520
Vegetable food products	1,394	132,700	174	45,600	1,568	178,300
Other vegetable products	7	9,800	5,049	245,848	5,056	255,648
Textiles	48	29,000			48	29,000
Wood and paper			2,840	42,600	2,840	42,600
Nonmetallic minerals	615	37,510			615	37,510
Ores, metals, and manufactures of	389	57,500			389	57,500
Machinery and vehicles	29	15,140	50	20,000	79	35,140
Chemicals	1,763	69,980			1,763	69,980
Unclassified	72	47,400	82	47,360	154	94,760
Total	4,717	531,030	8,435	484,928	13,152	1,015,958

Vessel classification, 1921.

Class.	Number.	Net registered tonnage.	Passengers.
Steamers	1	27	894
Gasoline launches	2	40	189
Barges	2	130	
Total	5	197	1,083

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ESCAMBIA AND CONECUH RIVERS, FLA. AND ALA.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1912	116,510	$1,331,540	1917	27,968	$321,670
1913	107,713	1,026,880	1918	10,480	189,600
1914	70,912	709,120	1919	3,000	[1] 70,000
1915	85,000	850,000	1920 [2]	7,691	[1] 159,700
1916	18,695	186,947	1921 [2]	9,763	[1] 152,880

[1] Timber rafted down the Escambia and Conecuh Rivers is included in the above figures, this being the chief commerce carried on. For 1919, 2,000 tons, valued at $50,000, was included; and for 1920, 7,500 tons of timber, valued at $150,000, is included; for 1921, 7,000 tons, valued at $105,000 is included.

[2] No passengers were carried, except on fishing trips and pleasure parties, figures for which are not available.

[Navigation season, all year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
DOWNSTREAM.						*Miles.*	
Wood and paper			9,640		$144,600		
Timber, Southern pine	7,000			$105,000		144	Rafted.
Lumber, Southern pine	2,640			39,600		26	Cargo.
Total	9,640		9,640	144,600	144,600		
UPSTREAM.							
Animals and animal products			7		2,400		
Butter and cheese		1		640		26	$0.025
Lard		6		1,800		26	.025
Vegetable food products			116		5,840		
Flour		12		1,080		26	.025
Corn meal, grits and hominy		19		760		26	.025
All other grains		25		800		26	.025
Hay		40		800		26	.025
Beans, dried		2		280		26	.025
Potatoes, white		6		360		26	.025
Coffee		2		800		26	.025
Sugar		4		480		26	.025
Sirup		6		480		26	.025
Total		123	123	8,280	8,280		
Total upstream and downstream	9,640	123	9,763		152,880		

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Upstream.		Downstream.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	7	$2,440			7	$2,440
Vegetable food products	116	5,840			116	5,840
Wood and paper			9,640	$144,600	9,640	144,600
Total	123	8,280	9,640	144,600	9,763	152,880

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ESCAMBIA AND CONECUH RIVERS, FLA. AND ALA.—continued.

Vessel classification, 1921.

Class.	Number.	Net registered tonnage.
Tugs	1	20
Gasoline launches	1	8
Lumber schooners	2	48
Rafts	20	.....
Total	24	76

PENSACOLA HARBOR, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1896	105,760	$335,196	(1)	1908	(1)	$20,322,649	(1)
1897	105,000	281,071	(1)	1912	1,271,979	34,668,478	(1)
1898	110,630	282,432	(1)	1913	1,475,050	36,573,434	(1)
1899	108,670	742,710	(1)	1914	1,164,502	22,819,119	(1)
1900	79,600	437,222	(1)	1915	871,166	23,095,884	(1)
1901	90,450	350,141	(1)	1916	810,544	22,737,010	(1)
1902	490,000	11,069,194	(1)	1917	524,058	19,911,307	9,277
1903	510,791	13,741,540	(1)	1918	383,838	13,790,741	7,460
1904	(1)	15,893,456	(1)	1919	458,452	19,258,535	9,853
1905	(1)	15,295,069	(1)	1920	[2] 675,493	[2] 23,074,901	8,783
1906	577,000	18,432,931	(1)	1921	[3] 487,060	[3] 12,794,993	5,827
1907	(1)	19,810,746	(1)				

[1] No statistics available.
[2] Cargoes in transit not included, 534,426 short tons, value not known.
[3] Cargoes in transit, 700,170 tons, valued at $61,238,160 not included.

[Navigation season, entire year.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper	.....	18,588	.....	$807,870
Cabinet woods in the log:				
Mahogany	18,558	.....	$791,390	.....
Cedar	30	.....	16,480	.....
Nonmetallic minerals: Petroleum, crude	7,593	7,593	89,921	89,921
Chemicals	.....	23,889	.....	940,415
Nitrate of soda	21,080	.....	819,140	.....
Chloride, crude (muriate of potash)	602	.....	53,493	.....
Manure salts	2,207	.....	67,782	.....
Total	.....	50,070	.....	1,838,206
EXPORTS.				
Vegetable food products: Cottonseed cake	29	29	2,030	2,030
Other vegetable products	.....	29,574	.....	1,498,192
Resin	10,386	.....	332,352	.....
Spirits of turpentine	3,064	.....	520,880	.....
Tar and pitch of wood	16,124	.....	644,960	.....
Textiles	.....	159	.....	50,840
Cotton, unmanufactured	134	.....	48,240	.....
Burlaps	25	.....	2,600	.....
Wood and paper	.....	116,376	.....	1,752,914
Southern yellow pine:				
Timber, squared	11,960	.....	179,400	.....
Lumber (boards and planks)	103,668	.....	1,555,134	.....
Oak lumber	528	.....	12,320	.....
Gum (red) lumber	220	.....	6,060	.....

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PENSACOLA HARBOR, FLA.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons. By commodities.	Amount in short tons. By classes.	Value. By commodities.	Value. By classes.
EXPORTS—continued.				
Nonmetallic minerals		129,191		$929,210
Coal, bituminous	[1] 127,194		$906,712	
Coke	1,098		11,226	
Petroleum, crude	[2] 899		11,272	
Ores, metals and manufactures of		52		5,720
Steel bars	50		4,520	
Lead (pipe, in coils)	2		1,200	
Machinery and vehicles: Power-generating machinery	55	55	18,136	18,136
Chemicals		4,498		336,932
Sulphate of ammonia	1,902		190,200	
Fertilizer materials:				
Tankage	1,941		98,250	
Ground dry blood	655		48,482	
Unclassified: Miscellaneous merchandise	432	432	41,040	41,040
Total exports		280,366		4,635,014
Total imports and exports		330,436		6,473,220

[1] 118,965 tons, valued at $824,712, used for bunkers (foreign).
[2] All used for bunker fuel.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities. Bulk.	Amount in short tons, by commodities. Package.	Amount in short tons, by classes.	Value. By commodities.	Value. By classes.	Average haul.	Rate per ton-mile.
RECEIPTS, COASTWISE.						*Miles.*	
Animals and animal products			4,361		$752,522		
Cattle	30			9,500		7	$0.07
Hogs	33			18,800		7	.07
Eggs		45		22,500		7	.07
Poultry		36		28,800		7	.07
Other meat products		57		28,500		7	.07
Milk and cream		65		7,800		7	.07
Butter and cheese		75		48,000		11	.07
Fish, fresh (food), cargo	3,901			559,511		11	
Oysters, shucked		9		3,131		7	.07
Fish, canned		101		24,240		11	.07
Shrimp, canned, cargo		5		1,500		6	
Hides and skins		4		240		7	.07
Vegetable food products			1,134		181,740		
Flour, wheat		88		7,920		11	.06
All other grains		105		3,360		11	.06
Bran and middlings		60		1,680		11	.06
Beans, dried		132		18,480		11	.06
Potatoes, white		15		900		7	.07
Vegetables, canned		129		38,700		11	.06
Fruit, fresh		12		1,440		7	.06
Pecans		75		37,500		7	.07
Coffee		45		18,000		11	.06
Sugar		398		47,760		11	.07
Sirup		75		6,000		11	.06
Other vegetable products			22,401		1,377,852		
Resin		17,611		563,552		11	.04
Spirits of turpentine		4,790		314,310		11	.04
Textiles: Manila rope		5	5	1,800	1,800	11	.05
Wood and paper			102,425		1,114,148		
Logs and round timber—							
Cypress, floated	31,395			113,022		11.25	
Timber, yellow pine, barged	1,534			19,942		11.25	
Lumber, yellow pine, barged	69,456			972,384		11.25	
Wrapping paper		40		8,800		11	.06
Nonmetallic minerals			5,145		310,667		
Petroleum, crude, cargo	5,067			304,667			
Oils, lubricating		48		4,800		11	.04
Clay products		30		1,200		11	.05

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PENSACOLA HARBOR, FLA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE—contd.							
Ores, metals and manufactures of			345		$90,500	*Miles.*	
Wire		10		$2,000		11	$0.06
Nails		45		6,300		11	.06
Bolts and rivets		30		9,000		11	.06
All other iron and steel		115		18,400		11	.06
Copper and brass		2		3,000		11	.06
Tin and zinc		8		3,200		11	.06
Other metals and alloys		135		48,600		11	.06
Chemicals			121		8,965		
Soda and sodium compounds		18		1,440		11.25	.07
Lead compounds		18		5,400		11.25	.07
Fertilizer materials		85		2,125		11.25	.06
Unclassified			716		187,420		
Miscellaneous office supplies		132		2,940		11	.07
Miscellaneous articles		496		114,080		11	.07
Household furniture		88		70,400		11.25	.06
Total	111,416	25,237	136,653		4,025,614		
SHIPMENTS, COASTWISE.							
Animals and animal products			1,021		348,600		
Eggs		17	917	8,200	322,800	11	.07
Poultry		4		3,200		11	.07
Other meat products		316		157,000		11	.07
Milk and cream		221		26,520		11	.07
Butter and cheese		65		41,600		11	.07
Fish (in barrels)		36		8,840		11	.06
Lard		252		75,600		11	.06
Hides and skins		2		240		11	.07
Leather		4		1,600		11	.06
Vegetable food products			6,501		428,182		
Flour		1,065		63,850		11	.07
Mixed feed stuffs		942		37,680		11.25	.05
Corn meal, flour grits, and hominy		546		21,840		11.25	.06
All other grains		1,609		51,488		11	.06
Hay		492		9,840		11	.06
Bran and middlings		603		16,884		11	.06
Beans, dried		114		14,960		11.25	.05
Potatoes, white		333		19,980		11	.06
Onions		110		11,000		11.25	.07
Vegetables, canned		157		46,100		11	.06
Fruit, canned		180		54,000		11	.06
Coffee		96		62,400		11	.06
Sugar		196		13,520		11	.06
Sirup		58		4,640		11	.05
Other vegetable products			144		42,116		
Resin		118		3,776		11.25	.04
Spirits of turpentine		2		240		11	.06
Seed for sowing		6		3,600		11.25	.07
Nursery and greenhouse stock		1		400		11	.07
Tobacco, manufactured		17		34,000		11	.10
Textiles			1,873		674,400		
Cotton cloth		20		20,000		7	.07
Wearing apparel		10		100,000		11.25	.12
Manila rope		25		9,000		11.25	.06
Miscellaneous textile products		1,818		545,400		11.25	.07
Wood and paper			445		14,680		
Mahogany logs	438			13,140		11.25	Cargo.
Wrapping paper		7		1,540		11.25	.07
Nonmetallic minerals			5,249		99,735		
Coal, blacksmith		18		210		11.25	.04
Petroleum, crude	4,199			37,361		11	Cargo.
Petroleum, refined		43		1,720		11	.05
Gasoline		94		5,640		11	.05
Lubricating oils		323		32,300		11	.04

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PENSACOLA HARBOR, FLA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, COASTWISE—contd.							
Nonmetallic minerals—Contd.						*Miles.*	
Cement		209		$3,334		11	$0.04
Other clay products		338		13,420		7	.06
Asbestos shingles		25		5,750		7	.06
Ores, metals and manufactures of			930		$165,140		
Iron bars		200		24,000		7	.07
Steel bars		91		10,920		11	.06
Wire		114		22,800		11	.06
Nails		138		19,320		7	.07
Screws, bolts, and rivets		15		4,500		11	.06
Other iron and steel		252		40,320		7	.07
Tin and zinc		2		800		7	.07
Other metals and alloys		118		42,480		11.25	.06
Machinery and vehicles			34		21,852		
Power-generating machinery	4			3,680		11	.06
Electric machinery	3			4,832		11	.06
Other machinery, except agricultural	25			9,830		7	.06
Vehicles	2			3,460		7	.06
Chemicals			2,382		106,540		
Coal tar, crude		12		480		11	.04
Lime		136		4,080		11	.04
Soda and sodium compounds		269		21,520		7	.06
Prepared fertilizer		1,770		56,640		11	.04
Ammunition (shotgun, etc.)		11		7,260		7	.07
Soap		184		16,560		7	.06
Unclassified			1,496		420,750		
Miscellaneous office supplies		8		19,800		7	.06
Miscellaneous merchandise		1,385		318,550		11	.06
Household furniture		103		82,400		11	.07
Total	4,671	15,300	19,971		2,296,159		
Total shipments and receipts	116,087	40,537	156,624		6,321,773		

CARGOES IN TRANSIT.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Rye	2,270	$136,200	Lumber, yellow pine	50,140	$752,100
Wheat	320,095	25,607,600	Paper	300	66,000
Flour	4,245	382,050	Petroleum, crude	17,388	247,760
Cottonseed cake	2,540	84,600	Steel bars	5,470	656,400
Sugar	18,000	1,960,000	Agricultural machinery	108	27,000
Rice	16	1,920	Sulphate of ammonia	12,705	482,620
Tar and pitch of wood	1,250	212,500	Phosphate rock	32,573	857,460
Tobacco, unmanufactured	1,050	630,000	Manure salts	1,786	53,580
Cotton, unmanufactured	45,873	16,973,010	General cargoes	167,361	11,715,270
Logs, mahogany (round timber)	17,000	391,000	Total	700,170	61,238,160

The commerce reported above is that in bottoms coming to Pensacola to complete cargo, and in ships calling for bunkers.

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PENSACOLA HARBOR, FLA.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal food products					4,361	$752,522	917	$322,800	5,278	$1,075,322
Vegetable food products			29	$2,030	1,134	181,740	6,501	428,182	7,664	611,952
Other vegetable products			29,574	1,498,192	22,401	1,377,852	144	42,116	52,119	2,918,160
Textiles			159	50,840	5	1,800	1,873	674,400	2,037	727,040
Wood and paper	18,588	$897,870	116,376	1,752,914	102,425	1,114,148	445	14,680	237,834	3,689,612
Nonmetallic minerals	7,593	89,921	129,191	929,210	5,145	310,667	5,249	99,735	147,178	1,429,533
Ores, metals, and manufactures of			52	5,720	345	90,500	930	165,140	1,327	261,360
Machinery and vehicles			55	18,136			34	21,852	89	39,988
Chemicals	23,889	940,415	4,498	336,932	121	8,965	2,382	106,504	30,890	1,392,816
Unclassified			432	41,040	716	187,420	1,496	420,750	2,644	649,210
Total	50,070	1,838,206	280,366	4,635,014	136,653	4,025,614	19,971	2,296,159	487,060	12,794,993

Cargoes in transit, not included in above, 700,170 tons, valued at $61,238,160.

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PENSACOLA HARBOR, FLA.—continued.

Vessel classification, 1921.

FOREIGN.

Class.	American.	Foreign.	Total.	Net registered tonnage.
Steamers	79	150	229	657,758
Sailing	23	27	50	35,545
Tugs	38	1	39	5,403
Barges	29	.....	29	13,613
Total	169	178	347	712,319

COASTWISE.

Class.	Number.	Net registered tonnage.	Passengers.
Steamers	3	406	2,787
Tugs	12	516	.....
Gasoline launches	18	234	3,040
Fishing smacks	36	2,347	.....
Barges	26	2,316	.....
Rafts	81	.....	.....
Total	176	5,819	5,827

The above steamers and gasoline launches draw from 2 to 8 feet; the barges, tugs and fishing smacks draw from 5 to 15 feet.

ALABAMA RIVER, ALA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1896	71,072	$6,400,000	.....	1909	85,380	$6,043,140	.....
1897	96,536	8,320,000	.....	1910	108,373	6,610,275	.....
1898	97,176	8,400,000	.....	1911	110,231	8,523,948	.....
1899	76,529	6,887,610	.....	1912	139,846	7,195,848	20,091
1900	85,567	7,701,030	.....	1913	153,295	6,141,808	13,339
1901	119,634	8,375,000	.....	1914	112,345	4,329,007	10,400
1902	114,087	8,375,000	.....	1915	76,417	3,831,064	12,014
1903	145,448	13,680,000	.....	1916	104,113	4,378,332	5,425
1904	133,092	13,317,000	.....	1917	94,356	4,074,254	4,597
1905	127,250	12,907,500	.....	1918	62,782	3,640,463	3,400
1906	125,000	13,750,000	.....	1919	65,774	3,627,330	2,840
1907	341,628	3,886,565	.....	1920	54,056	2,361,375	2,667
1908	78,593	7,000,000	.....	1921	13,650	1,035,366	600

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ALABAMA RIVER, ALA.—continued.

[Navigation season: Entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, DOWNSTREAM.						*Miles.*	
Animals and animal products			263		$90,140		
Other cattle		60		$18,000		125	$0.12
Hogs		5		1,200		125	.12
Hams and shoulders, cured		25		12,500		125	.056
Bacon, side meat		93		27,900		125	.048
Poultry		1		800		125	.16
Canned meats, various		3		1,500		125	.048
Milk and cream, condensed		2		560		125	.08
Cheese and butter		7		4,480		125	.064
Canned fish, various		4		1,200		125	.048
Lard and substitutes		61		18,300		125	.056
Leather manufactures		2		3,700		125	.12
Vegetable food products			724		32,871		
Corn, grain		10		320		125	.032
Corn meal		12		480		125	.032
Hominy and grits		3		120		125	.032
Oats, grain		23		736		125	.032
Rice, grain		2		200		125	.04
Wheat, grain		12		780		125	.032
Wheat flour		40		3,600		125	.04
Hay, baled		12		240		125	.032
Prepared feeds		32		1,280		125	.035
Potatoes		14		840		125	.032
Vegetables, canned		2		600		125	.048
Subtropical fruits		2		800		125	.08
Fruits, dried and evaporated		2		825		125	.08
Fruits, canned		2		850		125	.048
Cotton seed		500		15,000		125	.024
Coffee, roasted		4		1,600		125	.096
Sugar		10		1,200		125	.048
Molasses and sirups		40		3,200		125	.064
Soda water, etc		2		200		125	.096
Other vegetable products			3,008		181,990		
Resin		2,400		76,800		90	.03
Wood turpentine		607		103,190		90	.05
Tobacco manufactures		1		2,000		125	.144
Textiles			1,207		488,650		
Cotton, short staple		1,200		480,000		125	.04
Cotton manufactures		3		3,000		125	.096
Wool		1		350		125	.08
Wool manufactures		2		5,000		125	.12
Other fiber manufactures		1		300		125	.08
Wood and paper			6,100		44,415		
Logs, pine and cypress, rafted	3,969			19,845		25	(1)
Logs, hardwood, rafted	366			1,830		25	(1)
Railroad ties	750			7,500		75	.027
Lumber, pine, sawed	1,000			13,000		100	.03
Shingles		12		720		125	.03
Furniture, wood, finished		1		800		125	.096
Wood manufactures, various		1		500		125	.064
Paper manufactures, various		1		220		125	.08
Nonmetallic minerals			13		1,200		
Illuminating oils		10		400		125	.08
Lubricating oils		2		200		125	.08
Glass and glass products		1		600		125	.096
Ores, metals, and manufactures of			7		1,480		
Nails, wire		2		280		125	.04
Wire, barbed and fencing		3		600		125	.048
Tools, various		2		600		125	.064
Machinery and vehicles			6		2,400		
Agricultural implements		5		2,000		125	.08
Wagons		1		400		125	.08
Chemicals			7		2,230		
Soda and sodium compounds		1		80		125	.056
Pigments, paints, and stains		2		650		125	.064

[1] Rafted.

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ALALAMA RIVER, ALA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, DOWNSTREAM—con.							
Chemicals—Continued.						*Miles.*	
Cartridges and shells		2		$1,320		125	$0.08
Soaps		2		180		125	.056
Miscellaneous			31		$12,400		
Baking powder		1		400		125	.056
All other, miscellaneous		30		12,000		125	.056
Total, downstream	6,085	5,281	11,366	857,776	857,776		
SHIPMENTS, UPSTREAM.							
Animals and animal products			64		21,580		
Other cattle		18		5,400		125	.12
Hams and shoulders, cured		3		1,500		125	.056
Bacon, side meat		20		6,000		125	.048
Canned meats, various		4		2,000		125	.048
Milk and cream, condensed		2		560		125	.08
Cheese and butter		3		1,920		125	.064
Canned fish, various		2		600		125	.048
Lard and substitutes		12		3,600		125	.056
Vegetable food products			634		39,640		
Corn, grain		150		4,800		125	.032
Corn meal		4		160		125	.032
Hominy and grits		2		80		125	.032
Oats, grain		150		4,800		125	.032
Rice, grain		3		300		125	.04
Wheat, grain		40		2,600		125	.032
Wheat flour		107		9,630		125	.04
Hay, baled		12		240		125	.032
Prepared feeds		100		4,000		125	.035
Potatoes		3		180		125	.032
Vegetables, fresh		2		180		125	.08
Subtropical fruits		13		5,200		125	.08
Fruits, dried and evaporated		3		1,250		125	.08
Coffee, roasted		6		2,400		125	.096
Sugar		16		1,920		125	.048
Molasses and strups		20		1,600		125	.064
Soda water, etc		3		300		125	.096
Other vegetable products			5		7,200		
Tobacco manufactures		3		6,000		125	.144
Seeds for sowing		2		1,200		125	.064
Textiles			31		20,700		
Cotton, short staple		20		8,000		125	.04
Cotton manufactures		4		4,000		125	.096
Wool manufactures		3		7,500		125	.12
Other fiber manufactures		4		1,200		125	.08
Wood and paper			39		4,315		
Lumber, pine, sawed		15		195		90	.033
Shingles		18		1,080		125	.03
Furniture, wood, finished		2		1,600		125	.096
Wood manufactures, various		2		1,000		125	.064
Paper manufactures, various		2		440		125	.08
Nonmetallic minerals			147		4,900		
Illuminating oils		18		720		125	.08
Lubricating oils		4		400		125	.08
Glass and glass products		2		1,200		125	.096
Brick	48			480		125	.02
Cement		15		300		125	.024
Salt		60		1,800		125	.032
Ores, metals, and manufactures of			5		1,140		
Nails, wire		1		140		125	.04
Wire, barbed and fencing		2		400		125	.048
Tools, various		2		600		125	.064
Machinery and vehicles: Agricultural implements		3	3	1,400	1,400	125	.08
Chemicals			1,311		56,715		
Soda and sodium compounds		2		160		125	.056
Pigments, paints, and stains		3		975		125	.064
Prepared fertilizers		1,300		55,900		125	.026
Cartridges and shells		2		1,320		125	.08
Soaps		4		360		125	.056

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ALABAMA RIVER, ALA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, UPSTREAM—con.						*Miles.*	
Miscellaneous			45		$18,000		
Baking powder		3		$1,200		125	$0.056
All other, miscellaneous		42		16,800		125	.056
Total, upstream	48	2,236	2,284		177,590		
Total, downstream	6,085	5,281	11,366		857,776		
Total shipments	6,133	7,517	13,650		1,035,366		

SUMMARY.

Classes of commodities.	Downstream.		Upstream.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, etc.	263	$90,140	64	$21,580	327	$111,720
Vegetable food products, etc.	724	32,871	634	39,640	1,358	72,511
Other vegetable products, etc.	3,008	181,990	5	7,200	3,013	189,190
Textiles	1,207	488,650	31	20,700	1,238	509,350
Wood and paper	6,100	44,415	39	4,315	6,139	48,730
Nonmetallic minerals	13	1,200	147	4,900	160	6,100
Ores, metals, etc.	7	1,480	5	1,140	12	2,620
Machinery and vehicles	6	2,400	3	1,400	9	3,800
Chemicals	7	2,230	1,311	58,715	1,318	60,945
Unclassified, miscellaneous	31	12,400	45	18,000	76	30,400
Total	11,366	857,776	2,284	177,590	13,650	1,035,366

Vessel classification, 1921.

Class.	Number	Net registered. tonnage.
Registered: Steamers	1	365
Unregistered:		
Steamers	1	50
Gasoline launches	1	12
Barges	3	300
Rafts	31	

COOSA RIVER, GA. AND ALA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1894	150,878	$1,620,000	(1)	1909	119,072	$827,204	(1)
1895	86,545	1,600,000	(1)	1910	88,228	812,608	(1)
1896	54,613	1,800,000	(1)	1911	40,840	558,492	(1)
1897	68,359	2,050,000	(1)	1912	52,342	1,349,422	90
1898	66,936	2,000,000	(1)	1913	46,339	1,642,987	4,550
1899	50,518	2,778,490	(1)	1914	28,751	1,517,978	2,290
1900	33,776	2,000,000	(1)	1915	49,074	1,955,737	2,230
1901	36,640	1,800,000	(1)	1916	30,951	834,737	1,130
1903	77,760	1,975,548	(1)	1917	15,744	270,886	145
1904	38,000	1,825,000	(1)	1918	12,911	633,799	120
1905	94,694	3,119,200	(1)	1919	22,294	1,228,458	220
1906	82,720	2,789,433	(1)	1920	23,054	894,800	145
1907	124,078	3,500,000	(1)	1921	11,314	444,865	25
1908	24,189	2,500,000	(1)				

[1] No statistics available.

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COOSA RIVER, GA. AND ALA.—continued.

[Navigation season, entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes of commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, DOWNSTREAM.						*Miles.*	
Animals and animal products			5		$1,900		
Hams and shoulders, cured		1		$500		75	$0.08
Bacon, side meat		2		600		75	.08
Canned meats, various		1		500		75	.08
Lard and substitutes		1		300		75	.08
Vegetable food products			71		4,040		
Corn, grain		20		640		75	.04
Corn meal		2		80		75	.08
Hominy and grits		1		40		75	.08
Oats, grain		18		570		75	.04
Rice, grain		1		100		75	.08
Wheat, grain		2		120		75	.04
Wheat flour		12		1,080		75	.08
Soda water, etc		15		1,400		75	.067
Textiles: Cotton manufactures		2	2	2,000	2,000	75	.107
Wood and paper			5,768		52,405		
Logs, pine, rafted	2,324			11,620		20	
Logs, hardwood, rafted	187			935		20	
Cooperage blocks, pine	1,000			5,000		20	(1)
Lumber, pine, sawed	2,250			29,250		10	(1)
Furniture, wood, finished		7		5,600		75	.107
Nonmetallic minerals			33		1,042		
Glass and glass products		1		600		75	.107
Tile		3		120		75	.08
Brick	25			250		75	.08
Cement		2		40		75	.053
Lime		2		32		75	.053
Ores, metals, and manufactures of			20		3,720		
Nails, wire		8		1,120		75	.107
Wire, barbed and fencing		10		2,000		75	.107
Tools, various		2		600		75	.107
Machinery and vehicles			320		282,400		
Agricultural implements		12		4,800		75	.107
Automobiles		4		6,000		75	.107
Wagons		4		1,600		75	.107
Other machinery	300			270,000			(1)
Chemicals: Prepared fertilizers		800	800	34,400	34,400	75	.04
Miscellaneous: All other, miscellaneous		10	10	4,000	4,000	75	.053
Total, downstream	6,086	943	7,029	385,907	385,907		
SHIPMENTS, UPSTREAM.							
Animals and animal products:							
Other cattle		2	2	600	600	75	.123
Textiles: Cotton, short staple		25	25	10,000	10,000	75	.053
Wood and paper			4,258		48,358		
Cooperage blocks, pine	500			2,500		20	(1)
Lumber, pine, sawed	3,750			45,750		12	(1)
Lumber, pine, sawed		8		108		75	.04
Total, upstream	4,250	35	4,285		58,958		
Total, downstream	6,086	943	7,029		385,907		
Total shipments	10,336	978	11,314		444,865		

[1] Barged by owners.

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COOSA RIVER, GA. AND ALA.—continued.

SUMMARY.

Classes of commodities.	Downstream.		Upstream.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, etc.	5	$1,900	2	$600	7	$2,500
Vegetable food products, etc.	71	4,040			71	4,040
Textiles	2	2,000	25	10,000	27	12,000
Wood and paper	5,768	52,405	4,258	48,358	10,026	100,763
Nonmetallic minerals	33	1,042			33	1,042
Ores, metals, etc.	20	3,720			20	3,720
Machinery and vehicles	320	282,400			320	282,400
Chemicals	800	34,400			800	34,400
Unclassified, miscellaneous	10	4,000			10	4,000
Total	7,029	385,907	4,285	58,958	11,314	444,865

Vessel classification, 1921.

Class.	Number.	Net registered tonnage.
Registered steamers	1	112
Unregistered:		
Gasoline launches	5	20
Barges	4	300
Rafts	52	

CHOCTAWHATCHEE BAY, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1920	36,898	2,147,794	4,264	1921	63,416	1,482,355	1,084

No money has been spent by the Government on this bay for improvement, and no commercial statistics have been compiled prior to 1920.

[Navigation season, all year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
GOING EAST.							
Animals and animal food products			136		$40,780	*Miles.*	
Eggs		6		$3,000		26	$0.04
Poultry		2		1,600		26	.05
Other meat products		5		2,500		26	.04
Milk and cream		50		6,000		26	.04
Butter and cheese		17		10,800		26	.05
Fish, canned		6		1,800		26	.04
Lard		50		15,000		26	.04

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CHOCTAWHATCHEE BAY, FLA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
GOING EAST—continued.						*Miles.*	
Vegetable food products			1,977		$151,894		
Flour		447		$40,230		26	$0.05
Corn meal, grits, and hominy		240		9,600		26	.04
All other grains		680		21,720		26	.04
Hay		86		1,720		26	.04
Bran and middlings		153		5,284		26	.04
Beans, dried		46		6,440		26	.04
Potatoes, white		103		6,180		26	.04
Onions		31		3,100		26	.04
Vegetables, canned		57		17,100		26	.04
Fruit, canned		61		24,400		26	.045
Coffee		28		11,200		26	.045
Sugar		33		3,960		26	.05
Sirup		12		960		26	.04
Vegetable products			12		15,940		
Seed for sowing		2		1,200		26	.05
Nursery and greenhouse stock		1		400		26	.07
Tobacco, manufactured		7		14,000		26	.06
Turpentine		2		340		26	.05
Textiles			810		243,600		
Manila rope		10		3,600		26	.04
Miscellaneous textile products		800		240,000		26	.055
Wood and paper			42		4,440		
Barrels, empty		40		4,000		26	.065
Wrapping paper		2		440		26	.04
Nonmetallic minerals			245		10,504		
Refined petroleum		43		1,720		26	.04
Gasoline		94		3,800		26	.04
Lubricating oils		26		2,600		26	.04
Cement		54		864		26	.04
Clay and clay products		28		1,520		26	.04
Ores, metals, and manufactures of			249		39,780		
Wire		8		1,600		26	.04
Nails		19		2,660		26	.04
Other iron and steel		222		35,520		26	.04
Machinery and vehicles			5		5,000		
Power generating machinery		4		3,200		26	.04
Electric dynamos		1		1,800		26	.04
Chemicals			257		12,372		
Coal tar, crude		1		40		26	.03
Lime		6		1,800		26	.04
Prepared fertilizer		226		7,232		26	.03
Ammunition		2		1,320		26	.045
Soap		22		1,980		26	.04
Unclassified			70		31,490		
Miscellaneous merchandise		43		9,890		26	.05
Household furniture		27		21,600		26	.07
Total		3,803	3,803		555,800		
GOING WEST.							
Other vegetable products			6,484		395,858		
Resin		5,119		163,808		26	.03
Turpentine		1,365		232,050		26	.04
Wood and paper			53,119		530,337		
Logs, cypress, floated	31,395			113,022		26	(1)
Logs, yellow pine, floated	2,000			26,000		16	(1)
Railroad ties	119			1,190		26	(2)
Lumber, yellow pine	19,605			390,125		26	(2)
Total	53,119	6,484	59,603	926,195	926,195		
Total going east and west	53,119	10,287	63,406		1,481,995		

[1] Rafted. [2] Barged.

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CHOCTAWHATCHEE BAY, FLA.—continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Going east.		Going west.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	136	$40,780			136	$40,780
Vegetable food products	1,977	151,894			1,977	161,894
Other vegetable products	12	15,940	6,484	$395,858	6,496	411,798
Textiles	810	243,600			810	243,600
Wood and paper	42	4,440	53,119	530,337	53,161	534,777
Nonmetallic minerals	245	10,504			245	10,504
Ores, metals and manufactures of	249	39,780			249	39,780
Machinery and vehicles	5	5,000			5	5,000
Chemicals	257	12,372			257	12,372
Unclassified	70	31,490			70	31,490
Total	3,803	555,800	59,603	926,195	63,406	1,481,995

Vessel classification, 1921.

Class.	Number.	Net registered tonnage.	Passengers
Steamers	1	57	215
Tugs	2	96	
Schooners (lumber)	6	132	
Gasoline launches	7	64	869
Barges	4	260	
Rafts	42		
Total	62	609	1,084

No appropriation has ever been made for the improvement of this bay by the Government. The natural entrance on the west is 34 miles east from Pensacola Bay, and is connected with the latter by Santa Rosa Sound. It is about 30 miles long, and varies in width from 3 to 6 miles; the depth varies from 7 to 30 feet; its area is approximately 113 square miles.

The commerce reported for 1921 consists chiefly of animal and vegetable products going east, and resin, turpentine, lumber, and logs going west. The eastbound traffic all originated at Pensacola, and was shipped to Valparaiso, on Choctawhatchee Bay; Freeport, on LaGrange Bayou, and points along the Choctawhatchee River. All the westbound traffic was destined for Pensacola. Vessels plying these waters ordinarily draw from 2 to 6 feet.

ESCAMBIA BAY, FLA.

Comparative statement.

Year.	Tons.	Value	Year.	Tons.	Value.
1920	7,789	$177,400	1921	10,263	$160,380

This bay is unimproved, and no statistics were compiled prior to 1920.

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ESCAMBIA BAY, FLA.—continued.

[Navigation season, entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
GOING WEST.						*Miles.*	
Wood and paper			10,140		$152,100		
Timber, yellow pine, rafted	7,500			$112,500		5	
Lumber, yellow pine	2,640			39,600		5	
Total	10,140		10,140	152,100	152,100		
GOING EAST.							
Vegetable food products			116		5,840		
Flour		12		1,080		5	$0.025
Corn meal, grits, and hominy		19		760		5	.025
All other grains		25		800		5	.025
Hay		40		800		5	.025
Beans, dried		2		280		5	.025
Potatoes, white		6		360		5	.025
Coffee		2		800		5	.025
Sugar		4		480		5	.025
Sirup		6		480		5	.025
Animals and animal products			7		2,440		
Butter and cheese		1		640		5	.025
Lard		6		1,800		5	.025
Total		123	123	8,280	8,280		
Total going east and west	10,140	123	10,263		160,380		

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Going east.		Going west.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products	116	$5,840			116	$5,840
Animals and animal products	7	2,440			7	2,440
Wood and paper			10,140	$152,100	10,140	152,100
Total	123	8,280	10,140	152,100	10,263	160,380

Vessel classification, 1921.

Class.	Number.	Net registered tonnage.
Tugs	1	20
Gasoline launches	1	10
Lumber schooners	2	48
Rafts	21	
Total	25	78

No money has been expended by the Government for the improvement of Escambia Bay. It is simply an arm of Pensacola Bay, which connects the latter with Escambia River. The traffic covered by this report consists of timber floated across the bay en route from Escambia River to Pensacola, lumber going west, and vegetable and animal food products going east. Vessels plying this bay have a draft of from 3 to 6 feet.

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PERDIDO BAY, FLA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1920	120	$15,300	782	1921	7,010	$247,468	460

This bay has never been improved by the Government, and commercial statistics have not been compiled prior to 1920.

[Navigation season, entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, COASTWISE.						*Miles.*	
Other vegetable products			6,030		$235,120		
Resin		5,720		$182,320		14	(1)
Turpentine		310		52,800		14	
Wood and paper			980		12,348		
Railroad ties	980			12,348		15	
Total	980	6,030	7,010		247,468		

[1] Cargo.

Vessel classification, 1921.

There was only one schooner, of 28-ton capacity—4 feet 2 inches draft—operating out of this bay; in addition several pleasure launches were operated, and one or two launches were engaged in carrying the United States mail.

This bay has never been improved by the Government; it is located about 14 miles in a westerly direction from Pensacola Bay, Fla. It is about 14 miles long, and varies from ½ mile to 3 miles in width; its area is about 32 square miles. The depth varies from 7 to 13 feet.

The commerce reported for 1921 is comprised entirely of resin, turpentine, and cross-ties, all of which was shipped from points along the bay to Mobile, Ala. There will be considerable commerce on this bay in forest products during the next few years. The adjacent territory is well adapted to agriculture, and this will doubtless be the means of developing a water-borne commerce of considerable importance during the next 10 years.

LA GRANGE BAYOU, FLA.

Comparative statement.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1920	7,700	$708,148	340	1921	15,895	$510,485	115

No money has been spent on this improvement since 1887, and no commercial statistics have been compiled prior to 1920.

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LA GRANGE BAYOU, FLA.—continued.

[Navigation season, entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPSTREAM.						*Miles.*	
Animals and animal products			12		$3,800		
Milk and cream		5		$600		5	$0.04
Butter and cheese		5		2,600		5	.05
Fish, canned		2		600		5	.04
Vegetable food products			340		34,764		
Flour		48		4,320		5	.05
Corn meal, grits, and hominy		113		4,520		5	.04
Hay		25		1,000		5	.04
Bran and middlings		48		944		5	.035
Beans, dried		13		1,820		5	.035
Potatoes, white		26		1,560		5	.035
Onions		5		500		5	.04
Vegetables, canned		19		5,700		5	.04
Fruits, canned		24		9,600		5	.04
Coffee		9		3,600		5	.04
Sugar		10		1,200		5	.04
Other vegetable products: Tobacco, manufactured		2	2	4,000	4,000	5	.06
Textiles			185		64,000		
Wearing apparel		5		10,000		5	.07
Miscellaneous textile products		180		54,000		5	.065
Wood and paper			22		2,440		
Empty barrels		20		2,000		5	.06
Wrapping paper		2		440		5	.05
Nonmetallic minerals			165		9,280		
Refined petroleum		12		480		5	.04
Gasoline		110		6,600		5	.04
Lubricating oils		3		300		5	.04
Cement		25		1,000		5	.04
Clay products		15		900		5	.04
Ores, metals, and manufactures of			122		19,500		
Wire		2		400		5	.04
Nails		5		700		5	.04
Other iron and steel		115		18,400		5	.04
Chemicals			104		3,560		
Prepared fertilizer		100		3,200		5	.04
Soap		4		360		5	.04
Unclassified			51		19,850		
Miscellaneous merchandise		35		7,050		5	.05
Household furniture		16		12,800		5	.07
Total		1,003	1,003	161,194	161,194		
DOWNSTREAM.							
Other vegetable products			3,241		197,828		
Resin		2,559		81,888		5	.04
Turpentine		682		115,940		5	.05
Wood and paper: Lumber, yellow pine	11,651		11,651	151,463	151,463		(1)
Total	11,651	3,241	14,892	349,291	349,291		
Total upstream and downstream	11,651	4,244	15,895		510,485		

[1] Cargo.

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LA GRANGE BAYOU, FLA.—continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Upstream.		Downstream.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	12	$3,800			12	$3,800
Vegetable food products	340	34,764			340	34,764
Other vegetable products	2	4,000	3,241	$197,828	3,243	201,828
Textiles	185	64,000			185	64,000
Wood and paper	22	2,440	11,651	151,463	11,673	153,903
Nonmetallic minerals	165	9,280			165	9,280
Ores, metals, and manufactures of	122	19,500			122	19,500
Chemicals	104	3,560			104	3,560
Unclassified	51	19,850			51	19,850
Total	1,003	161,194	14,892	349,291	15,895	510,485

Vessel classification, 1921.

Class.	Number.	Net registered tonnage.	Passengers.
Steamers	1	57	115
Gasoline launches	1	15	
Tugs	1	42	
Barges	3	450	
Total	6	564	115

The last improvement made by the Government on this bayou was in the year 1887. No commercial statistics were compiled for this improvement prior to 1920; during previous years the traffic had been included in reports for Choctawhatchee River, Fla.

The chief items of commerce, upstream, were vegetable food products, iron, and steel; the downstream traffic consisted entirely of resin, turpentine, and lumber. All of the upstream commodities were carried from Pensacola to Freeport, and practically all of the downstream traffic originated near Freeport and consigned to Pensacola.

The average haul of 5 miles, as reported, covers 2½ miles on La Grange Bayou proper, and 2½ miles on the Four Mile Creek.

ST. MARKS RIVER, FLA.

Statement of traffic.

Year.	Tons.	Value.	Passengers.
1920	250	$45,000	(1)
1921	616	86,240	(1)

[1] Number of passengers not ascertainable.

This river is unimproved, and no statistics have been compiled prior to 1920. Navigation season: Entire year.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.	By commodities.	By classes.		
UPBOUND, COASTWISE.					*Miles.*	
Animals and animal products: Fish	616	616	$86,240	$86,240	5½	Cargo.

There was no downstream traffic during 1921.

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ST. MARKS RIVER, FLA.—continued.

Vessel classification, 1921.

There were 22 gasoline launches, with a net registered tonnage of 47.

This river has been examined and adversely reported upon five times, as follows In 1883, 1889, 1908, 1911, and in 1920. No appropriations have been made by the Government for its improvement. The entrance from Gulf of Mexico into St. Marks River is about 38 miles east of entrance to Carrabelle Harbor, Fla. The depth over oyster reefs at entrance is about 8 feet; after passing these bars there is a depth of 18 feet to the fish docks at St. Marks.

The commerce for 1921 consisted entirely of food fish; these were brought up the river to St. Marks and shipped to interior points by rail.

MOBILE, ALA., DISTRICT.

MOBILE HARBOR, ALA.

Comparative statement of traffic, 1921.

Year.	General traffic.		Freight in transit.		Passengers.
	Tons.	Value.	Tons.	Value.	
1902	1,746,219	$29,565,526	(1)	(1)	(2)
1903	1,099,738	32,562,750	(1)	(1)	(2)
1904	1,131,008	36,519,046	(1)	(1)	(2)
1905	1,755,213	47,697,160	(1)	(1)	(2)
1906	1,373,065	39,770,106	(1)	(1)	(2)
1907	2,460,710	48,424,172	(1)	(1)	(2)
1908	1,037,939	49,447,957	(1)	(1)	(2)
1909	1,415,233	48,706,940	(1)	(1)	78,038
1910	1,377,901	50,123,391	(1)	(1)	88,023
1911	1,412,350	48,272,020	(1)	(1)	120,969
1912	2,210,486	63,493,612	(1)	(1)	99,067
1913	2,212,805	61,368,688	(1)	(1)	119,277
1914	2,392,442	58,085,903	(1)	(1)	91,534
1915	1,579,804	46,440,771	(1)	(1)	140,210
1916	1,673,020	55,712,360	(1)	(1)	155,067
1917	1,816,824	66,177,622	(1)	(1)	121,113
1918	1,323,997	69,127,463	(1)	(1)	144,044
1919	[3] 1,970,638	99,776,399	17,862	$71,448	127,523
1920	[3] 1,655,215	93,613,242	47,893	913,990	124,805
1921	[3] 1,411,164	61,503,441	61,158	471,912	153,618

[1] Impracticable to separate.
[2] Not available.
[3] Includes barged and floated logs: impracticable to separate.

[Navigation season: Entire year.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products		30		$7,118
Cattle hides, wet	26		$4,157	
Honey	3		371	
All other	1		2,590	
Vegetable food products		112,264		1,143,551
Coconuts	1,684		102,016	
Coconut meat	4		427	
Bananas	83,841		916,510	
Grapefruit	1		191	
Other fruit	130		26,253	
Olive oil	23		6,999	
Coffee	4		60	
Molasses	26,576		89,810	
All other	1		485	
Other vegetable products		1,461		37,137
Logwood	1,460		37,087	
All other	1		50	

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MOBILE HARBOR, ALA.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Textiles		6,651		$679,010
Bagging for cotton	32		$4,933	
Sisal	6,618		671,365	
All other	1		2,712	
Wood and paper		2,014		39,365
Shingles	1,470		25,552	
Lumber	543		13,244	
All other	1		569	
Nonmetallic minerals		77,198		317,851
Crude mineral oil	70,147		284,437	
Clay	7,050		32,898	
All other	1		516	
Ores, metals, and manufactures of		22,224		$459,760
Iron ore	6,171		$28,796	
Scrap iron	34		60	
Manganese ore	16,016		430,068	
Other iron and steel manufactures	2		533	
All other	1		303	
Machinery and vehicles: Other machinery	1	1	83	83
Chemicals: Explosives	1	1	47	47
Unclassified		169		22,437
Household and personal effects	20		4,053	
Toys	1		2,015	
All other	148		16,369	
Total		222,013		2,706,359
EXPORTS.				
Animals and animal products		5,334		1,496,265
Cattle	549		58,593	
Hogs	754		150,867	
Horses, mules, and other animals	25		7,908	
Fresh meats	4		1,851	
Pickled meats	140		47,720	
Canned meats	68		32,378	
Bacon, hams, and shoulders	380		108,307	
Other meat products	14		5,870	
Milk and milk products	709		231,670	
Fresh and canned fish	187		27,700	
Animal oils	123		2,467	
Lard	2,031		559,853	
Compound lard	84		20,875	
Stearin from animal fats	23		5,406	
Soap stock and other grease	173		18,169	
Leather	3		3,513	
Shoes	31		170,492	
Harness and saddles	16		31,647	
Other manufactures of leather	2		6,791	
All other	18		4,188	
Vegetable food products		81,397		5,317,149
Malt	1,238		75,035	
Corn	26,809		1,023,397	
Oats	3,299		112,125	
Rice	349		27,639	
Flour	46,584		3,820,619	
Hay	27		711	
Cottonseed cake	224		8,000	
Bran and other mill feed	1,679		70,769	
Dried vegetables	1,085		154,623	
Fresh vegetables	38		3,147	
Canned vegetables	17		3,836	
Fresh fruits	13		1,670	
Dried fruits	11		2,687	
Canned fruits	1		508	
Peanuts and other nuts	2		847	
Vegetable oil	2		316	
Coffee, cocoa, and spices	3		1,782	
Sugar	6		1,001	
Confectionery	5		5,573	
Sirup	1		78	
All other	4		2,786	
Other vegetable products		6,529		958,222
Rubber shoes	2		9,568	
Pneumatic auto casings	1		1,605	
Pneumatic tubes	2		5,338	

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MOBILE HARBOR ALA.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Other vegetable products—Continued.				
Other tires	1		$1,201	
Rubber hose	2		913	
Rosin	3,271		105,610	
Turpentine	1,340		236,350	
Tar	56		2,730	
Leaf tobacco	1,692		575,743	
Cornstarch	1		182	
Broom corn	159		16,655	
Brooms	1		271	
All other	1		2,056	
Textiles		26,107		39,436,480
Cotton	25,840		9,220,692	
Cotton mill waste	7		1,566	
Cotton yarn	137		96,731	
Unbleached cloths	6		6,033	
Bleached cloths	4		4,368	
Printed cotton cloth	2		2,928	
Piece-dyed cotton cloth	5		6,966	
Yarn-dyed cotton cloth	13		16,530	
Cotton blankets	1		693	
Cotton hosiery	5		19,108	
Cotton underwear	2		17,001	
Cotton wearing apparel	4		27,673	
Other manufactures of cotton	29		28,917	
Fiber cordage	2		712	
Twine	1		467	
Other manufactures of fiber	47		31,311	
All other	2		4,784	
Wood and paper		234,457		5,982,062
Logs	9,414		207,960	
Hardwood hewn timber	387		22,013	
Pitch-pine sawed timber	35,858		455,009	
Railroad ties	4,374		55,262	
Shingles	32		1,372	
Lumber	134,621		3,221,189	
Staves and headings	10,713		321,399	
Shooks	37,959		1,161,307	
Hogsheads, empty	208		69,230	
Wooden furniture	191		71,301	
Other manufactures of wood	653		330,064	
Paper, and manufactures of	14		7,717	
Roofing felt	32		7,957	
All other	1		242	
Nonmetallic minerals		22,225		308,344
Bituminous coal	19,029		175,976	
Coke	151		2,397	
Gasoline	56		5,044	
Illuminating oil	57		5,104	
Lubricating oil	66		10,483	
Manufactures of stone	21		1,493	
Plaster	125		3,031	
Glass bottles	6		1,654	
Other glass	28		7,161	
Fire clay	170		2,527	
Earthenware and stoneware	260		26,576	
Closet bowls	1		1,970	
Other earthenware, stoneware, and chinaware	211		21,155	
Fire brick	962		20,940	
Tiles	1,353		13,531	
Grindstones	3		226	
Sulphur	2		88	
Salt	733		8,734	
All other	1		254	
Ores, metals, and manufactures of		117,634		6,427,403
Iron and steel, crude, manufactured forms	23,947		1,521,978	
Hoop, band, and scroll iron and steel	104		10,076	
Structural iron and steel	3,089		192,248	
Railway track material	85,060		3,876,669	
Cast and wrought iron pipe	2,940		241,787	
Wire, and manufactures of	604		71,110	
Castings	220		44,083	
Hollow ware	224		166,265	
Metal furniture and fixtures	158		72,302	
Nails, screws, and bolts	668		74,532	

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MOBILE HARBOR, ALA.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Ores, metals, and manufactures of—Continued.				
Stoves and radiators	21		96,643	
Tools	32		16,414	
Hardware	9		3,015	
Chains	14		1,402	
Other manufactures of iron and steel	515		103,719	
Other metals, and manufactures of	27		20,324	
All other	2		4,836	
Machinery and vehicles		2,885		$1,727,117
Parts of engines	15		30,846	
Boilers	1		1,920	
Internal-combustion engines	3		4,953	
Windmills	15		22,156	
Electrical machinery and apparatus	20		36,890	
Construction and conveying machinery	1		411	
Mining, oil-well, and pumping machinery	26		45,830	
Textile, sewing, and shoe machinery	9		14,967	
Sugar-mill machinery	600		1,051,745	
Other machinery and parts	30		52,569	
Plows and cultivators	361		108,331	
Planters and seeders	65		32,601	
Mowers and reapers	75		22,559	
Hayrakes	23		9,303	
Cotton gins, and parts of	10		10,217	
Parts of agricultural tractors	6		3,496	
Other agricultural implements and parts	921		81,792	
Commercial and passenger automobiles, and parts of	41		41,774	
Freight and other cars for railway	640		132,470	
All other	23		22,287	
Chemicals		2,878		293,430
Benzol	2		325	
Other coal-tar distillates	1		165	
Baking powder	2		536	
Calcium carbide	113		9,204	
Caustic soda	4		500	
Washing powders	59		9,931	
Other chemicals	210		42,006	
Medical preparations	11		47,345	
White lead	1		189	
Ready-mixed paint	13		3,009	
Other paints	4		1,774	
Sulphate of ammonia	2,275		121,513	
Gunpowder	25		4,940	
Dynamite	3		1,140	
Fuses, explosive	1		1,935	
Toilet soap	6		6,350	
Other soap	143		25,686	
Perfumeries	2		15,144	
All other	3		1,738	
Unclassified		145		98,191
Photographic goods	1		4,342	
Pianos	5		6,717	
Organs	1		280	
Other musical instruments	1		1,147	
Ink	3		1,992	
Lamps	1		2,628	
Matches	1		1,625	
Brushes	1		659	
Candles	16		5,282	
Notions	1		1,047	
Refrigerators	22		22,232	
Household and personal effects	10		4,454	
All other	82		45,786	
Total		500,601		32,044,680
Total imports and exports		722,614		34,751,042

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MOBILE HARBOR, ALA.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products			7,560		$1,017,530
Cattle		1,297		$78,000	
Hogs		100		8,000	
Horses		20		6,000	
Poultry and eggs		10		2,614	
Packing-house products		126		51,788	
Fish	3,956			791,378	
Oysters	1,597			34,863	
Shrimp	50			3,000	
Canned fish		38		13,890	
Lard		58		19,547	
Hides		5		1,333	
Shoes		6		4,741	
Crushed shells		297		2,376	
Vegetable food products			7,297		1,179,040
Corn		63		1,700	
Rice		267		32,040	
Hay		1,000		20,000	
Feed		15		600	
Beans, dried		543		108,600	
Potatoes		479		14,496	
Canned goods		2,326		460,402	
Fresh fruits		142		7,595	
Cotton seed		480		14,400	
Coffee and tea		846		355,358	
Sugar		1,058		148,127	
Sirup		25		3,000	
All other		53		12,722	
Other vegetable products			8,402		1,479,081
Naval stores		8,399		1,472,886	
Seed		2		4,145	
Tobacco		1		2,050	
Textiles			6,811		2,041,474
Cotton		6,730		2,018,800	
Burlap		48		4,800	
Manila rope		33		17,874	
Wood and paper			74,001		969,979
Logs (barged and floated) [1]	40,090			305,854	
Lumber	25,697			366,077	
Crossties	6,320			79,000	
Shingles		592		11,840	
Staves	714			48,790	
Barrels, empty	7			5,026	
Furniture		214		128,400	
Broom handles		2		760	
Roofing		6		476	
Pulpboard		326		16,300	
Paper and stationery		33		7,466	
Nonmetallic minerals			246,752		2,633,158
Coal	29,112			203,784	
Coke	61			610	
Fuel oil	70,654			1,055,447	
Refined oil	18,989			1,144,558	
Sand	51,070			67,940	
Gravel	76,514			149,139	
Asbestos		5		100	
Glassware		8		4,800	
Salt		339		6,780	
Ores, metals, and manufactures of			48,888		2,147,997
Iron and steel (crude manufactures)	2,592			129,618	
Steel rails	46,194			1,963,245	
Castings	30			6,000	
Nails		5		616	
Hardware		4		1,879	
Brass and bronze		4		1,715	
Metal manufactures		10		5,437	
Gas tanks and cylinders		42		36,754	
All other		7		2,733	

[1] Impracticable to separate.

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MOBILE HARBOR, ALA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE—continued.					
Machinery and vehicles			1,368		$916,256
Machinery		6		$4,906	
Electrical machinery and supplies		1		900	
Automobiles		1,350		900,000	
Vehicles		5		9,250	
Hand trucks		6		1,200	
Chemicals			138		9,073
Ammonia		2		275	
Medicines		3		3,000	
Paint		7		1,498	
Soap		16		1,800	
Acetylene gas		67		1,340	
Carbonated gas		13		260	
All other		30		900	
Unclassified			8,731		423,549
Household goods		72		46,380	
Merchandise		404		86,709	
All other		8,255		290,460	
Total	373,647	36,301	409,948		12,817,137
SHIPMENTS, COASTWISE.					
Animals and animal products			1,532		463,176
Cattle		26		1,838	
Horses		40		12,000	
Packing house products		922		394,910	
Eggs		2		315	
Codfish		78		9,935	
Lard		108		32,336	
Shoes		5		4,800	
Crushed shells		350		7,000	
All other		1		42	
Vegetable food products			11,071		1,376,375
Flour		1,160		120,492	
Meal		79		5,778	
Grits		19		768	
Rice		94		11,635	
Crackers and cake		19		7,400	
Cereals		4		700	
Hay		90		2,080	
Feed		3,702		143,711	
Peas and beans, dried		428		51,788	
Potatoes		36		2,267	
Fresh vegetables		7		528	
Groceries		1,351		271,862	
Canned goods		2,840		554,394	
Pickles and vinegar		32		3,894	
Fresh fruit		135		10,912	
Nuts		29		14,283	
Coffee and tea		119		55,261	
Sugar		428		49,056	
Molasses and sirup		293		29,442	
All other		206		40,124	
Other vegetable products			3,182		2,202,822
Naval stores		1,048		108,355	
Seed		3		5,060	
Tobacco		2,071		2,082,217	
Starch		60		7,190	
Textiles			1,025		468,311
Cotton		159		56,700	
Cotton rope		13		5,200	
Cotton bagging		42		2,525	
Dry goods and notions		207		304,360	
Sisal		573		74,490	
Manila rope		31		25,036	
Wood and paper			44,218		810,697
Lumber	32,259			523,347	
Crossties	11,416			140,000	
Shingles		63		2,107	
Staves	28			1,120	
Barrels, empty	72			7,953	
Furniture		260		103,401	

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MOBILE HARBOR, ALA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS, COASTWISE—continued.					
Wood and paper—Continued.					
Wooden handles		8		$3,200	
Pulpboard		74		3,700	
Paper and stationery		20		7,889	
Books		18		18,000	
Nonmetallic minerals			55,354		$471,135
Coal	35,353			247,497	
Fuel oil	18,870			188,700	
Refined oil		373		19,940	
Cement		351		6,917	
Lime		12		250	
Brick	74			370	
Clay products		41		2,927	
Salt		280		4,534	
Ores, metals and manufactures of			31,946		2,837,091
Iron and steel (crude manufactures)	6,271			233,242	
Iron pipe and fittings	15,619			1,332,800	
Wire and nails		2,062		368,709	
Bath tubs		454		272,400	
Crews, nuts and bolts		12		1,209	
Spikes		28		2,800	
Stoves		19		9,500	
Hardware		442		209,903	
Tools		16		8,000	
Manganese ore	6,761			202,830	
Brass and bronze	5			4,578	
Lead	6			1,366	
Sheet zinc		35		3,500	
Metal manufactures		222		183,861	
All other		4		2,393	
Machinery and vehicles			1,799		1,430,648
Machinery and supplies		3		5,325	
Boilers and parts		13		13,000	
Electrical machinery and supplies		2		6,100	
Plows		50		25,000	
Automobiles		1,700		1,360,000	
Vehicles		31		21,223	
Chemicals			1,329		235,045
Medicine		24		42,649	
Acetic acid		13		13,000	
Baking powder		133		66,500	
Soda		49		5,910	
Ochre		21		10,500	
Paint		157		31,225	
Fertilizer		726		29,028	
Acid phosphate		93		4,650	
Fireworks		1		155	
Ammunition		50		20,000	
Soap		41		9,895	
All other		21		1,533	
Unclassified			22,746		2,725,197
Musical instruments		28		29,360	
Household goods		152		66,593	
Merchandise		3,969		813,954	
Refrigerators		174		104,400	
All other		18,423		1,710,890	
Total	126,734	47,468	174,202		13,020,497
Total receipts and shipments	500,381	83,769	584,150		25,837,634
RECEIPTS, INTERNAL.					
Other vegetable products: Naval stores		490	490	28,000	28,000
Wood and paper			74,720		563,765
Logs, barged and floated [1]	49,715			305,737	
Timber	13,005			78,028	
Lumber	12,000			180,000	
Total	74,720	490	75,210		591,765

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MOBILE HARBOR, ALA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS, INTERNAL.					
Other vegetable products: Naval stores	.....	1,190	1,190	$68,000	$68,000
Wood and paper	.....	.....	28,000	.....	255,000
Logs, barged and floated [1]	8,000	.....	.....	50,000	.....
Lumber	20,000	.....	.....	205,000	.....
Total	28,000	1,190	29,190	.....	323,000
Total receipts and shipments	102,720	1,680	104,400	.....	914,765

[1] Impracticable to separate.

CARGOES IN TRANSIT.

Commodities.	Amount, in short tons.	Value.
Rice	29	$7,110
Flour	144	10,637
Mahogany	350	27,851
Wood manufactures	3	1,800
Coal	60,631	424,417
Miscellaneous	1	97
Total	61,158	471,912

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MOBILE HARBOR, ALA.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Internal.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	30	$7,118	5,334	$1,496,265	9,092	$1,480,706			14,456	$2,984,089
Vegetable food products	112,264	1,143,551	81,397	5,317,149	18,368	2,555,415			212,029	9,016,115
Other vegetable products	1,461	37,137	6,529	958,222	11,584	3,681,903	1,680	$96,000	21,254	4,773,262
Textiles	6,651	679,010	26,107	9,496,480	7,836	2,509,785			40,594	12,675,275
Wood and paper	2,014	39,365	234,457	5,932,082	118,219	1,780,676	102,720	818,765	457,410	8,570,888
Nonmetallic minerals	77,198	317,851	23,235	308,344	302,106	3,104,293			402,539	3,730,488
Ores, metals and manufactures	22,224	459,760	117,634	6,427,403	80,834	4,985,088			220,692	11,872,251
Machinery and vehicles	1	83	2,885	1,727,117	3,167	2,346,904			6,053	4,074,104
Chemicals	1	47	2,878	293,430	1,467	244,118			4,346	537,595
Unclassified	169	22,437	145	98,191	31,477	3,148,746			31,791	3,269,374
Total	222,013	2,706,359	500,601	32,044,683	584,150	25,837,634	104,400	914,765	1,411,164	61,503,441

Cargoes in transit, short tons, 61,158; value, $471,912.

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MOBILE HARBOR, ALA.—continued.

Vessel classification, 1921.

Classification.	Entrances and clearances.			Net registered tonnage.	Passsengers.
	American.	Foreign.	Total.		
Registered and unregistered:					
Steamers	[1] 2,816	356	3,172	3,234,679	90,280
Sailing vessels	224	105	329	194,495	.....
Small craft	[2] 3,526	.....	3,526	134,058	63,338
Total	6,556	461	7,027	3,563,232	153,618

[1] Includes river and bay steamers and tugs. [2] Includes launches, barges, etc.

Comparative statement of the number and draft of vessels passing up and down the dredged channel for the calendar years ending December 31, 1920 and 1921.

[Compiled from the books of the harbor master at Mobile, Ala.]

Draft.	Steamships.				Schooners.				Square rigged vessels.				Total.			
	Up.		Down.		Up.		Down.		Up.		Down.		Up.		Down.	
	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921
Less than 13 feet	135	97	64	34	269	128	78	69	12	11	3	2	416	236	145	105
13 to 14 feet	84	58	31	30	11	4	16	7	2	2	1	1	97	64	48	38
14 to 15 feet	68	102	43	82	12	1	26	16	....	1	....	1	80	104	69	99
15 to 16 feet	48	65	47	49	3	.....	33	15	1	1	....	....	52	66	80	64
16 to 17 feet	51	62	46	64	9	1	27	12	1	....	....	....	61	63	73	76
17 to 18 feet	40	49	47	50	2	1	14	4	....	....	3	2	42	50	64	56
18 to 19 feet	29	58	50	63	3	10	9	2	....	....	1	3	32	68	60	68
19 to 20 feet	19	41	37	31	2	1	14	4	....	....	3	1	21	42	54	36
20 to 21 feet	15	27	35	29	1	1	6	8	1	....	....	....	17	28	41	37
21 to 22 feet	13	12	23	29	....	.....	1	....	....	....	2	....	13	12	26	29
22 to 23 feet	8	14	33	15	1	.....	3	1	....	....	....	....	9	14	36	16
23 to 24 feet	11	12	20	14	....	.....	1	1	....	....	....	....	11	12	21	15
24 to 25 feet	12	9	30	16	....	.....	....	....	....	....	....	....	12	9	30	16
25 to 26 feet	13	7	16	14	1	.....	....	....	....	....	....	....	14	7	16	14
26 to 27 feet	10	19	10	12	....	.....	....	....	....	....	....	....	10	19	10	12
Over 27 feet	.....	4	.....	5	....	.....	....	....	....	....	....	....	.....	4	.....	5
Total	556	636	532	537	314	147	228	139	17.	15	13	10	887	798	773	686

CHANNEL BETWEEN MOBILE BAY AND MISSISSIPPI SOUND, ALA.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1912	88,007	$874,918	1917	135,405	$719,051
1913	81,076	551,591	1918	59,088	786,146
1914	51,098	423,638	1919	85,113	562,571
1915	82,744	998,947	1920	122,896	1,414,835
1916	136,482	826,155	1921	64,536	1,230,065

Only freight in transit passes over this waterway.

No statistics available showing the number of passengers traveling over this waterway.

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CHANNEL BETWEEN MOBILE BAY AND MISSISSIPPI SOUND, ALA.—CON.

[Navigation season, throughout calendar year.]

Freight traffic, 1921.

CARGOES IN TRANSIT.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Lard	56	$18,872	Glassware	8	$4,800
Crushed shells	155	3,100	Salt	310	6,200
Groceries	97	15,279	Iron and steel	45	2,250
Rice	267	32,040	Nails	5	600
Feed	15	600	Hardware	2	1,000
Coffee	897	376,740	Hand trucks	6	1,200
Sugar	1,068	148,127	Ammonia	2	275
Cotton	17	5,100	Acetylene gas	22	440
Sisal	328	55,640	Carbonated gas	13	260
Burlap	48	4,800	Household goods	1	400
Manila rope	23	12,450	General merchandise	396	79,200
Furniture	39	23,400	Miscellaneous	35	4,875
Broom handles	2	750			
Pulpboard	23	1,150	Total	64,536	1,230,065
Paper bags	30	6,000			
Coal	60,631	424,417			
Cement	5	100			

BLACK WARRIOR, WARRIOR, AND TOMBIGBEE RIVERS, ALA.

Comparative statement of traffic.

Year.	General traffic.		Floated logs.[1]		Passengers.
	Tons.	Value.	Tons.	Value.	
1893	[2] 2,597	(3)	(4)	(4)	(3)
1894	[2] 3,400	(3)	(4)	(4)	(3)
1895	[2] 3,645	(3)	(4)	(4)	(3)
1896	[2] 4,980	(3)	(4)	(4)	(3)
1904	[2] 20,552	(3)	(4)	(4)	(3)
1905	[2] 25,791	(3)	(4)	(4)	(3)
1909	[2] 538,577	(3)	(4)	(4)	(3)
1910	[2] 639,041	(3)	(4)	(4)	(3)
1911	[2] 424,949	(3)	(4)	(4)	(3)
1912	[2] 414,414	(3)	(4)	(4)	(3)
1913	[2] 464,754	(3)	(4)	(4)	(3)
1914	361,812	$4,696,622	(4)	(4)	8,438
1915	407,245	3,332,413	(4)	(4)	10,079
1916	376,990	4,459,890	80,119	$206,893	3,615
1917	485,620	5,630,078	95,158	261,783	6,723
1918	583,644	5,777,532	87,761	391,443	3,429
1919	523,817	7,427,533	77,251	579,748	3,757
1920	[5] 499,204	10,035,676	100,318	501,590	2,680
1921	[6] 712,080	13,612,310	72,887	291,548	2,601

[1] In addition to general traffic.
[2] Represents the sum of the traffic through each lock on Black Warrior River.
[3] Not available.
[4] Not available for separation from general traffic.
[5] Includes 15,973 tons United States Government materials and supplies, valued at $89,391.
[6] Includes 30,305 tons United States Government materials and supplies, valued at $116,483.

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BLACK WARRIOR, WARRIOR, AND TOMBIGBEE RIVERS, ALA.—contd.

[Navigation season: Entire year for 6-foot draft.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.						*Miles.*	*Cents.*
Animals and animal products			1,126		$793,500		
Lard		102		$40,800		377	1.59
Live stock		31		10,200		121	8.26
Meats, canned		3		1,200		292	2.05
Mellins food		15		28,500		374	2.35
Packing-house products		882		352,800		164	3.05
Salmon, canned		90		360,000		185	3.24
Vegetable food products			8,104		1,378,089		
Beans		59		8,260		351	.71
Bran		568		19,880		375	1.33
Coffee		1,397		558,800		354	1.50
Corn		1,257		50,280		108	3.54
Cotton seed		31		1,550		105	3.33
Cottonseed hulls		134		2,144		117	2.78
Cottonseed meal		1		50		209	1.56
Flour		226		27,120		126	3.97
Fruit, canned		838		251,400		387	1.55
Fruit, dried		1		300		319	2.76
Groceries		28		8,400		377	2.33
Hay		260		6,500		121	3.31
Mixed feed		966		48,300		176	2.27
Molasses		7		560		149	3.36
Oats		422		21,100		111	3.71
Produce		173		43,250		343	2.24
Rice		406		64,960		366	1.37
Sugar		1,325		265,000		363	1.38
Vinegar		5		235		384	2.29
Textiles			459		132,780		
Burlap		57		2,280		380	1.39
Cotton		357		107,100		84	8.33
Cotton bagging		26		2,600		96	5.21
Dry goods		16		19,200		323	2.72
Nets		1		400		243	3.62
Rope		1		400		259	3.40
Yarn		1		800		352	2.50
Wood and paper			44,776		603,023		
Books		1		300		374	2.35
Crossties [1]	159			1,590		29	6.90
Logs, barged	18,848			75,392		26	7.69
Lumber [2]	25,575			511,500		29	6.03
Paper		31		7,440		393	2.24
Pulp board		80		4,000		393	2.24
Roofing paper		43		2,021		393	2.24
Wood pulp	39			780		393	2.24
Nonmetallic minerals			23,298		149,600		
Brick [3]	6			48		21	14.29
Cement [4]		481		7,215		164	2.44
Coal [5]	3,805			11,415		63	2.78
Earthenware		34		2,040		393	2.24
Fullers earth	34			34		119	.84
Glassware		1		240		250	3.52
Oil, lubricating [6]		205		10,250		120	6.25
Salt		4,688		93,760		374	2.35
Sand and gravel, unscreened [7]	8,767			8,767		191	.53
Stone [8]	5,277			15,831		37	2.70
Ores, metals, and manufactures of			18,093		467,208		
Cotton ties		9		720		113	10.62
Hardware		225		112,500		140	5.71
Iron and steel, crude, manufactured [9]	726			72,600		284	2.82
Iron ore	17,118			273,888		374	.45
Spelter	15			7,500		393	2.24
Machinery and vehicles: Sawmill machinery		10	10	4,000	4,000	17	51.76

[1] Includes 29 tons of Government material.
[2] Includes 240 tons of Government material.
[3] Includes 1 ton of Government material.
[4] Includes 225 tons of Government material.
[5] Includes 2,536 tons of Government material.
[6] Includes 36 tons of Government material.
[7] Includes 3,652 tons of Government material.
[8] All Government material.
[9] Includes 46 tons of Government material.

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BLACK WARRIOR, WARRIOR, AND TOMBIGBEE RIVERS, ALA.—contd.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND—continued.						*Miles.*	*Cents.*
Chemicals			266		$15,160		
Dynamite [1]		6		$2,160		221	3.98
Fertilizer		148		7,400		136	2.76
Nitrate of soda	112			5,600		374	1.42
Unclassified: Miscellaneous [2]		3,273	3,273	900,075	900,075	186	5.38
Total upbound	80,481	18,924	99,405		4,443,435		
DOWNBOUND.							
Animals and animal products			250		75,300		
Live stock		247		74,100		82	12.20
Packing-house products		3		1,200		227	2.20
Vegetable food products			283		21,332		
Corn		12		480		137	2.80
Cotton seed		3		150		72	4.86
Cottonseed hulls		17		272		56	5.80
Flour		15		1,800		95	5.26
Groceries [1]		7		2,100		114	7.72
Hay		142		3,550		110	3.64
Mixed feed		22		1,100		116	3.45
Molasses		1		80		94	5.32
Oats		20		1,000		64	6.44
Produce		40		10,000		134	5.75
Sugar		4		800		66	7.58
Other vegetable products			32		4,890		
Rosin		17		765		66	30.30
Turpentine		15		4,125		66	11.36
Textiles			1,208		362,200		
Cotton		1,204		361,200		164	4.27
Cotton bagging		2		200		119	4.20
Nets		2		800		57	15.44
Wood and paper			272,361		1,878,888		
Crossties	3,942			39,420		125	1.60
Logs, barged	140,906			563,624		71	2.81
Logs, floated	72,887			291,548		71	2.81
Lumber [3]	38,842			776,840		112	1.56
Piling	1,028			7,196		66	3.03
Staves	10,540			158,100		148	1.35
Stave bolts	4,216			42,160		29	6.90
Nonmetallic minerals			349,571		775,233		
Brick [1]		3		24		80	3.75
Cement [4]		182		2,730		9	44.44
Coal [5]	188,300			564,900		329	.53
Coke	555			1,943		393	.45
Glassware		6		1,440		393	2.24
Gravel	34,670			62,406		40	2.50
Oil, lubricating [6]		7		350		110	6.82
Sand	21,088			27,414		40	2.50
Sand and gravel, unscreened	100,127			100,127		42	2.38
Stone [1]	4,633			13,899		39	2.56
Ores, metals, and manufactures of			60,616		6,063,960		
Cotton ties		2		160		106	11.32
Hardware		6		3,000		230	3.48
Iron and steel, crude, manufactured [7]	60,608			6,060,800		368	2.17
Machinery and vehicles:							
Wagons		5	5	1,000	1,000	24	37.50
Chemicals			248		5,220		
Acetylene gas		31		620		393	2.26
Fertilizer		32		1,600		72	5.21
Oxygen gas		185		3,700		393	2.26
Unclassified: Miscellaneous [8]		988	988	271,700	271,700	159	6.29
Total downbound	682,342	3,220	685,562		9,460,423		
Total upbound and downbound	762,823	22,144	784,967		13,903,858		

[1] All government material.
[2] Includes 3 tons of Government material.
[3] Includes 426 tons of Government material.
[4] Includes 5 tons of Government material.
[5] Includes 13,083 tons of Government material.
[6] Includes 1 ton of Government material.
[7] Includes 33 tons of Government material.
[8] Includes 15 tons of Government material.

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BLACK WARRIOR, WARRIOR, AND TOMBIGBEE RIVERS, ALA.—contd.

Freight traffic, 1921.

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	1,126	$793,500	250	$75,300	1,376	$868,800
Vegetable food products	8,104	1,378,089	283	21,332	8,387	1,399,421
Other vegetable products	.....	.....	32	4,890	32	4,890
Textiles	459	132,780	1,208	362,200	1,667	494,980
Wood and paper	44,776	603,023	272,361	1,878,888	317,137	2,481,911
Nonmetallic minerals	23,298	149,600	349,571	775,233	372,869	924,833
Ores, metals, and manufactures of	18,093	467,208	60,616	6,063,960	78,709	6,531,168
Machinery and vehicles	10	4,000	5	1,000	15	5,000
Chemicals	266	15,160	248	5,920	514	21,080
Unclassified	3,273	900,075	988	271,700	4,261	1,171,775
Total	99,405	4,443,435	685,562	9,460,423	784,967	13,903,858

Vessel classification, 1921.

Class.	American.	Net registered tonnage.	Passengers.
INTERNAL TRADE.			
Registered steamers	2,404	131,259	2,601
Unregistered:			
Barges	3,151	722,260	.....
Small craft	1,586	10,237	.....
Rafts	492	72,986	.....
Total	7,633	936,742	2,601

The limit of draft for boats at low water is 6 feet. The draft of vessels using this waterway varies from 3 to 7 feet. The bulk of freight is handled on a draft of about 6 feet.

TOMBIGBEE RIVER, MOUTH TO DEMOPOLIS.

Comparative statement of traffic.

Year.	General traffic.		Floated logs and freight in transit.		Passengers.
	Tons.	Value.	Tons.	Value.	
1898	[1] 251,689	(2)	(3)	(3)	(2)
1899	[1] 268,240	(2)	(3)	(3)	(2)
1900	[1] 360,950	(2)	(3)	(3)	(2)
1901	[1] 220,415	$3,896,450	(3)	(3)	(2)
1902	[1] 232,984	3,644,114	(3)	(3)	(2)
1903	[1] 225,000	4,000,000	(3)	(3)	(2)
1904	[1] 250,000	4,750,000	(3)	(3)	(2)
1905	[1] 274,000	4,920,000	(3)	(3)	(2)
1906	[1] 414,932	6,700,392	(3)	(3)	(2)
1907	[1] 429,931	(2)	(3)	(3)	(2)
1908	[1] 300,081	4,529,739	(3)	(3)	(2)
1909	[4] 245,551	4,116,295	137,926	$413,778	(2)
1910	[4] 72,780	2,754,957	109,578	219,156	(2)
1911	[4] 51,808	3,660,816	98,092	269,700	(2)
1912	[4] 76,702	3,054,205	86,409	237,624	(2)
1913	[4] 100,372	2,953,273	78,346	176,278	(2)
1914	[4] 216,927	2,525,481	83,048	186,870	4,633
1915	[4] 226,032	2,957,872	34,060	102,180	3,266
1916	[4] 265,414	3,726,463	42,274	114,280	1,750
1917	[4] 397,583	4,671,691	47,875	143,625	2,514
1918	[4] 453,483	4,467,248	64,080	320,400	1,113
1919	[4] 408,032	5,746,873	59,818	449,000	1,400
1920	140,226	3,362,548	[5] 298,744	[5] 4,869,875	1,356
1921	335,055	3,914,098	[6] 284,336	[6] 8,966,697	940

[1] Includes floated logs and freight in transit which are impracticable to separate.
[2] Not available.
[3] Not available for separation from general traffic.
[4] Includes freight in transit which it is impracticable to separate.
[5] Includes 84,998 tons floated logs, valued at $424,990, and 213,746 tons cargoes in transit, value, $4,444,785.
[6] Includes 54,659 tons floated logs, valued at $218,636, and 229,677 tons cargoes in transit, value, $8,748,061.

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TOMBIGBEE RIVER, MOUTH TO DEMOPOLIS—continued.

[Navigation season: Entire year for 6-foot draft.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.						*Miles.*	*Cents.*
Animals and animal products			662		$585,900		
Live stock		29		$8,700		122	8.20
Packing-house products		543		217,200		148	3.38
Salmon, canned		90		360,000		185	3.24
Vegetable food products			2,889		153,415		
Beans		1		140		27	9.26
Corn		1,255		50,200		108	3.55
Cotton seed		31		1,550		105	3.33
Cottonseed hulls		115		1,840		116	2.80
Flour		224		26,880		124	4.03
Hay		251		6,275		117	3.42
Mixed feed		509		25,450		113	3.54
Molasses		6		480		118	4.24
Oats		401		20,050		110	3.75
Produce		27		6,750		98	7.86
Sugar		69		13,800		157	3.18
Textiles			383		109,700		
Cotton		357		107,100		84	8.33
Cotton bagging		26		2,600		98	5.21
Wood and paper			11,761		96,980		
Logs, barged	8,640			34,560		24	8.33
Lumber [1]	3,121			62,420		19	9.21
Nonmetallic minerals			983		12,900		
Cement [2]		126		1,890		147	2.72
Coal	194			582		186	.94
Fuller's earth	34			34		119	.84
Oil, lubricating [3]		181		9,050		132	5.68
Stone	448			1,344		10	10.00
Ores, metals, and manufactures of			362		141,220		
Cotton ties		9		720		113	10.62
Hardware		209		104,500		123	6.50
Iron and steel, crude manufactured		144		36,000		186	4.30
Chemicals: Fertilizer		148	148	7,400	7,400	136	2.76
Unclassified: Miscellaneous		2,099	2,099	577,225	577,225	185	5.41
Total upbound	12,437	6,850	19,287		1,684,740		
DOWNBOUND.							
Animals and animal products			249		74,900		
Live stock		247		74,100		82	12.20
Packing-house products		2		800		145	3.45
Vegetable food products			265		18,707		
Corn		12		480		137	2.80
Cotton seed		3		150		72	4.86
Cottonseed hulls		17		272		56	5.80
Flour		15		1,800		95	5.26
Hay		141		3,525		111	3.60
Mixed feed		17		850		90	4.44
Molasses		1		80		94	5.32
Oats		15		750		81	5.09
Produce		40		10,000		134	5.75
Sugar		4		800		66	7.58
Other vegetable products			32		4,890		
Rosin		17		765		66	30.30
Turpentine		15		4,125		66	11.36
Textiles			1,059		317,300		
Cotton		1,057		317,100		165	4.24
Cotton bagging		2		200		119	4.20
Wood and paper			210,456		1,569,019		
Crossties	3,572			35,720		138	1.45
Logs, barged	102,498			409,992		89	2.84
Logs, floated	54,659			218,636		89	2.24
Lumber	36,394			727,880		117	1.50

[1] Includes 32 tons Government material.
[2] Includes 100 tons Government material.
[3] Includes 20 tons Government material.

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TOMBIGBEE RIVER, MOUTH TO DEMOPOLIS—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
DOWNBOUND—continued.							
Wood and paper—Continued.						*Miles.*	*Cents.*
Piling	1,028			$7,196		66	3.03
Staves	9,309			139,635		138	1.45
Stave bolts	2,996			29,960		29	6.90
Nonmetallic minerals			157,365		$195,643		
Coal [1]	1,227			3,681		148	1.18
Gravel	34,670			62,406		40	2.50
Oil, lubricating		6		300		118	6.36
Sand	21,088			27,414		40	2.50
Sand and gravel, unscreened	99,640			99,640		42	2.38
Stone [1]	734			2,202		106	.94
Ores, metals, and manufactures of			3		660		
Cotton ties		2		160		106	11.32
Hardware		1		500		152	5.26
Machinery and vehicles: Wagons		5	5	1,000	1,000	24	37.50
Chemicals: Fertilizer		32	32	1,600	1,600	72	5.21
Unclassified: Miscellaneous		961	961	264,275	264,275	162	6.17
Total	367,815	2,612	370,427		2,447,994		
Total upbound and downbound	380,252	9,462	389,714		4,132,734		

[1] All Government material.

FREIGHT IN TRANSIT.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Acetylene gas	31	$620	Manufactured steel and iron	61,059	$6,105,900
Beans	58	8,120	Mellin's food	15	28,500
Books	1	300	Mixed feed	313	15,650
Bran	568	19,880	Molasses	1	80
Burlap	57	2,280	Nets	1	400
Canned goods, fruit	838	251,400	Nitrate of soda	112	5,600
Canned meats	3	1,200	Oats	11	550
Cement	250	3,750	Oil	1	50
Coal	135,113	405,339	Oxygen gas	185	3,700
Coffee	1,397	558,800	Packing-house products	340	136,000
Coke	555	1,943	Paper	31	7,440
Corn	2	80	Produce	146	36,500
Cotton	147	44,100	Pulpboard	80	4,000
Cottonseed hulls	8	128	Rice	406	64,960
Cottonseed meal	1	50	Roofing paper	43	2,021
Dried fruit	1	300	Rope	1	400
Dry goods	16	19,200	Salt	4,688	93,760
Dynamite	4	1,440	Sand and gravel	2,217	2,217
Earthenware	34	2,040	Spelter	15	7,500
Flour	2	240	Staves	1,231	18,465
Groceries	28	8,400	Sugar	1,248	249,600
Glassware	7	1,680	Vinegar	5	235
Hay	9	225	Wood pulp	.39	780
Hardware	17	8,500	Yarn	1	800
Household goods	1	150	Unclassified	1,116	306,900
Iron ore	17,118	273,888			
Lard	102	40,800			
Live stock	4	1,200	Total	229,677	8,748,061

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TOMBIGBEE RIVER, MOUTH TO DEMOPOLIS—continued.

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	662	$585,900	249	$74,900	911	$660,800
Vegetable food products	2,889	153,415	265	18,707	3,154	172,122
Other vegetable products	.....	.....	32	4,890	32	4,890
Textiles	383	109,700	1,059	317,300	1,442	427,060
Wood and paper	11,761	96,980	210,456	1,569,010	222,217	1,665,990
Nonmetallic minerals	983	12,900	157,365	195,643	158,348	208,543
Ores, metals, and manufactures of	362	141,220	3	660	365	141,880
Machinery and vehicles	.....	.....	5	1,000	5	1,000
Chemicals	148	7,400	32	1,600	180	9,000
Unclassified	2,099	577,225	961	264,275	3,060	841,500
Total	19,287	1,684,740	370,427	2,447,994	389,714	4,132,734

Cargoes in transit, short tons, 229,677; value, $8,748,061.

Vessel classification, 1921.

Class.	American.	Net registered tonnage.	Passengers.
INTERNAL TRADE.			
Registered steamers	1,174	58,003	940
Unregistered:			
Barges	1,355	571,566	.....
Small craft	965	8,922	.....
Rafts	350	58,088	.....
Total	3,844	696,579	940

The limit of draft for boats at low water is 6 feet. The draft of vessels using this waterway varies from 3 to 7 feet. The bulk of freight is handled on a draft of about 6 feet.

TOMBIGBEE RIVER, FROM DEMOPOLIS, ALA., TO WALKERS BRIDGE, MISS.

Comparative statement of traffic.

Year.	General traffic.		Floated logs.	
	Tons.	Value.	Tons.	Value.
1912	43,173	$698,135	(1)	(1)
1913	64,523	876,672	(1)	(1)
1914	29,096	495,140	(1)	(1)
1915	34,233	461,752	(1)	(1)
1916	70,856	290,293	(1)	(1)
1917	42,552	292,900	(1)	(1)
1918	28,349	261,128	(1)	(1)
1919	9,097	109,566	(1)	(1)
1920	6,687	107,503	3,762	$18,810
1921	19,167	101,207	8,716	34,864

[1] Not available for separation from general traffic.

Number of passengers not available.

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TOMBIGBEE RIVER, FROM DEMOPOLIS, ALA., TO WALKERS BRIDGE, MISS.—continued.

[Navigation season: Navigable at high water and for a 3-foot draft at low water for a distance of 15 mile above Demopolis.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.						*Miles.*	*Cents.*
Wood and paper: Logs, barged	141	.....	141	$564	$564	12	(1)
Unclassified: Miscellaneous	.....	20	20	5,500	5,500	81	(1)
Total	141	20	161	.....	6,064	.....	.....
DOWNBOUND.							
Textiles: Cotton	.....	13	13	3,900	3,900	81	(1)
Wood and paper	.....	.....	27,708	.....	125,832	.....	.....
Logs, barged	17,172	.....	.....	68,688	.....	28	(1)
Logs, floated	8,716	.....	.....	34,864	.....	28	(1)
Staves	816	.....	.....	12,240	.....	55	(1)
Stave bolts	1,004	.....	.....	10,040	.....	56	(1)
Unclassified: Miscellaneous	.....	1	1	275	275	42	(1)
Total	27,708	14	27,722	.....	130,007	.....	.....
Total upbound and downbound	27,849	34	27,883	.....	136,071	.....	.....

[1] It was impracticable to procure rate per ton-mile.

Freight traffic, 1921.

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Textiles	.....	.....	13	$3,900	13	$3,900
Wood and paper	141	$564	27,708	125,832	27,849	126,396
Unclassified	20	5,500	1	275	21	5,775
Total	161	6,064	27,722	130,007	27,883	136,071

Vessel classification, 1921.

It is impracticable to obtain vessel classification for this portion of the river.

OPERATING AND CARE OF LOCKS AND DAMS, BLACK WARRIOR AND TOMBIGBEE RIVERS, ALA.

Freight traffic, 1921.

Same as for Black Warrior, Warrior, and Tombigbee Rivers, Ala.

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PASCAGOULA HARBOR, MISS.

Comparative statement of traffic.

Year.[1]	General traffic.		Freight in transit.	
	Short tons.	Value.	Short tons.	Value.
1901	430,000	$1,548,462		
1902	401,200	1,242,000		
1903	421,500	1,311,000		
1904	431,125	1,329,000		
1905	458,030	1,423,000		
1906	266,095	1,980,000		
1907	450,077	2,355,000		
1908	1,184,569	7,216,460		
1909	991,055	6,997,160		
1910	769,179	5,627,078		
1911	972,944	6,560,380		
1912	787,823	7,426,500		
1913	1,020,938	7,064,738		
1914	604,569	4,557,484		
1915	102,851	910,570		
1916	204,202	2,051,114		
1917	199,817	2,047,005		
1918	299,422	5,075,949		
1919 [2]	126,963	2,402,858	6,728	$92,565
1920 [2]	280,513	3,016,562	19,834	365,049
1921 [3]	184,967	1,790,211		

[1] The general traffic tons and value include floated logs and freight in transit (no ferry traffic) prior to 1919, but the amounts of such traffic were not available for separation.
[2] The general traffic tons and value include floated logs but not freight in transit. The amounts of floated logs were not available for separation.
[3] No freight in transit; the general traffic tons and value includes floated logs, the amounts of which are not available for separation.

[Navigation season: Entire year.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Wood and paper		25,714		$423,574
Lumber	19,474		$308,574	
Crossties	6,240		115,000	
Total		25,714		423,574

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PASCAGOULA HARBOR, MISS.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products			1,081		$172,237
Fish		931		$167,737	
Oysters	150			4,500	
Wood and paper			99,874		492,400
Logs (floated and barged)[1]	69,634			417,858	
Crossties	10,000			15,000	
Piling	240			9,542	
Pulp wood	20,000			50,000	
Nonmetallic minerals			23,500		161,800
Fuel oil	20,000			155,000	
Sand	2,700			2,000	
Brick	800			4,800	
Unclassified: Miscellaneous merchandise		2,000	2,000	80,000	80,000
Total	123,524	2,931	126,455		906,437
SHIPMENTS, COASTWISE.					
Wood and paper			32,798		460,200
Lumber	30,774			457,500	
Shingles		24		1,500	
Charcoal		2,000		1,200	
Total	30,774	2,024	32,798		460,200
Total receipts and shipments	154,298	4,955	159,253		1,366,637

[1] Impracticable to separate.

SUMMARY.

Classes and commodities.	Foreign exports.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			1,081	$172,237	1,081	$172,237
Wood and paper	25,714	$423,574	132,672	952,600	158,386	1,376,174
Nonmetallic minerals			23,500	161,800	23,500	161,800
Unclassified			2,000	80,000	2,000	80,000
Total	25,714	423,574	159,253	1,366,637	184,967	1,790,211

Vessel classification, 1921.

Classification.	Entrances and clearances.			Net registered tonnage.
	American.	Foreign.	Total.	
Registered and unregistered:				
Steamers	[1] 6		6	4,266
Sailing vessels	46	20	66	31,958
Small craft	[2] 230		230	34,500
Total	282	20	302	70,724

[1] Includes tugs. [2] Includes launches, barges, etc.

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GULFPORT HARBOR AND SHIP ISLAND PASS, MISS.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1901	87,700	$877,000	1912	634,901	$9,538,295
1902	28,242	306,910	1913	611,982	7,497,219
1903	176,000	1,665,000	1914	442,250	4,572,480
1904	445,300	3,731,400	1915	490,079	5,470,303
1905	460,994	4,411,121	1916	396,152	4,346,576
1906	743,992	9,374,865	1917	345,688	4,608,199
1907	670,606	6,969,600	1918	179,924	3,595,180
1908	473,327	5,684,500	1919	302,129	6,293,070
1909	550,260	6,622,889	1920	251,108	6,788,328
1910	648,699	8,232,676	1921	336,667	4,620,429
1911	1,027,302	14,456,065			

The total tons and total value include floated logs and freight in transit (no ferry traffic), if there was any such traffic, but there was very little, if any, traffic of this class and no amounts are available for separation. There were no floated logs, freight in transit, or ferry traffic for 1920 and 1921. No information available showing number of passengers, but there were very few, if any, passengers for these years.

[Navigation season: Entire year.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products		12,362		$203,681
Bananas	8,239		$188,678	
Coconuts	24		1,338	
Molasses	4,099		13,665	
Nonmetallic minerals		23,037		241,529
Crude petroleum	9,555		66,250	
Asphalt	13,482		175,279	
Total		35,399		445,210
EXPORTS.				
Other vegetable products: Rosin	210	210	11,784	11,784
Textiles: Cotton	3,037	3,037	1,147,620	1,147,620
Wood and paper		248,494		2,442,521
Lumber	247,555		2,414,360	
Staves and headings	939		28,161	
Nonmetallic minerals: Brick	4,087	4,087	16,665	16,665
Total		255,828		3,618,590
Total imports and exports		291,227		4,063,800

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GULFPORT HARBOR AND SHIP ISLAND PASS, MISS.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products			312		$9,822
Fish	12			$2,400	
Oysters	255			4,722	
Shrimp	45			2,700	
Vegetable food products: Groceries		215	215	23,341	23,341
Wood and paper			37,600		379,507
Lumber	37,238			373,120	
Piling	362			6,477	
Nonmetallic minerals: Brick	3,000		3,000	23,000	23,000
Chemicals: Phosphate rock	1,599		1,599	12,000	12,000
Total	42,511	215	42,726		447,760
SHIPMENTS, COASTWISE.					
Vegetable food products: Groceries		1,575	1,575	92,329	92,329
Wood and paper			1,139		16,540
Lumber	1,028			13,315	
Piling	111			3,225	
Total	1,139	1,575	2,714		108,869
Total receipts and shipments	43,650	1,790	45,440		556,629

SUMMARY.

Classes of commodities.	Foreign.				Domestic coastwise.		Total.	
	Imports.		Exports.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products					312	$9,822	312	$9,822
Vegetable food products	12,362	$203,681			1,790	115,670	14,152	319,351
Other vegetable products			210	$11,784			210	11,784
Textiles			3,037	1,147,620			3,037	1,147,620
Wood and paper			248,494	2,442,521	38,739	396,137	287,233	2,838,658
Nonmetallic minerals	23,037	241,529	4,087	16,665	3,000	23,000	30,124	281,194
Chemicals					1,599	12,000	1,599	12,000
Total	35,399	445,210	255,828	3,618,590	45,440	556,629	336,667	4,620,429

Vessel classification, 1921.

Classification.	Entrances and clearances.			Net registered tonnage.
	American.	Foreign.	Total.	
Registered and unregistered:				
Steamers	[1] 82	82	164	364,230
Sailing vessels	94	48	142	88,720
Small craft	[2] 1,072		1,072	71,040
Total	1,248	130	1,378	523,990

[1] Includes tugs. [2] Includes launches, barges, etc.

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PASCAGOULA RIVER, MISS.

Comparative statement of traffic.

Year.	General traffic.		Floated logs.[1]	
	Tons.	Value.	Tons.	Value.
1902	120,550			
1903	135,250	$1,087,500		
1904	180,250	1,194,500		
1905	211,500	1,396,500		
1906	260,100	3,323,600		
1907	290,327	1,807,500		
1909	231,877	1,440,500		
1910	231,612	1,400,000		
1911	301,538	1,488,500		
1912	233,064	1,498,500		
1913	626,956	3,939,500		
1914	308,174	2,314,725		
1915	123,690	601,050		
1916	468,428	1,371,916		
1917	230,641	1,431,770		
1918	274,112	1,540,991		
1919	41,718	815,643		
1920	107,590	793,750	36,899	$210,495
1921	19,198	38,396	57,897	233,038

[1] Not available for separation from general traffic prior to 1920.

Number of passengers not available.

[Navigation season: Entire year for a 7-foot draft over the lower 32 miles, above that point for 3-foot draft only.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
DOWNBOUND.						*Miles.*	*Cents.*
Wood and paper			77,095		$271,434		
Cord wood	19,198			$38,396		15	(1)
Logs, floated	57,897			233,038		25	(1)
Total	77,095		77,095		271,434		

[1] Impracticable to give rate per ton-mile.

SUMMARY.

Classes of commodities.	Downbound.		Total.	
	Tons.	Value.	Tons.	Value.
Wood and paper	77,095	$271,434	77,095	$271,434

Vessel classification, 1921.

It is impracticable to obtain vessel classification for this portion of the river.

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BILOXI HARBOR, MISS.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1889	70,115	(1)	1911	84,167	$795,100
1890	129,820	(1)	1912	82,167	775,100
1891	114,776	(1)	1913	84,453	1,255,570
1892	172,163	(1)	1914	91,068	1,336,722
1902	45,700	$1,391,400	1915	54,512	573,917
1903	218,000	1,937,336	1916	55,660	474,300
1904	254,400	2,535,555	1917	40,617	498,390
1906	77,414	2,483,500	1918	27,212	562,948
1907	271,580	2,667,050	1919	13,317	174,104
1908	217,550	2,361,150	1920	21,307	196,594
1909	(2)	(2)	1921	66,021	566,086
1910	(2)	(2)			

[1] No statistics available. [2] No record of the traffic for these years.

The total tons and total value include floated logs, but the amounts of such traffic were not available for separation. No statistics available for passenger traffic.

[Navigation season: Entire calendar year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products			64,495		$532,696
Fish	51			$5,100	
Oysters	59,712			275,596	
Shrimp	4,650			227,500	
Shrimp, canned		82		24,500	
Vegetable food products: Groceries		2	2	380	380
Total	64,413	84	64,497		533,076
SHIPMENTS, COASTWISE.					
Animals and animal products: Shrimp	250		250	17,500	17,500
Other vegetable products: Rosin		22	22	1,550	1,550
Wood and paper: Wood	225		225	5,760	5,760
Nonmetallic minerals			930		4,950
Brick	900			4,500	
Salt		30		450	
Ores, metals, and manufacture of: Empty cans		2	2	1,050	1,050
Chemicals: Fertilizer		45	45	1,800	1,800
Unclassified: Ice	50		50	400	400
Total	1,425	99	1,524		33,010
Total receipts and shipments	65,838	183	66,021		566,086

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	64,745	$550,196
Vegetable food products	2	380
Other vegetable products	22	1,550
Wood and paper	225	5,760
Nonmetallic minerals	930	4,950
Ores, metals, and manufactures of	2	1,050
Chemicals	45	1,800
Unclassified	50	400
Total	66,021	566,086

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WOLF AND JORDAN RIVERS, MISS.

Comparative statement of traffic.

Year.	Short tons.	Value.	Year.	Short tons.	Value.
1907	55,389	$931,412	1915	36,656	$1,065,605
1909	52,788	864,649	1916	56,495	1,186,186
1910	108,366	1,733,047	1917	45,746	956,716
1911	50,742	1,049,300	1918	24,851	543,759
1912	38,465	915,271	1919	14,372	317,714
1913	137,547	2,618,622	1920	1,761	56,440
1914	36,577	1,018,462	1921	1,315	22,800

The total tons and total value include floated logs, but the amounts of such traffic were not available for separation. No statistics available showing the number of passengers.

[Navigation season: Throughout calendar year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Vegetable food products: Feed	.....	20	20	$600	$600
Unclassified: Merchandise	.....	15	15	3,000	3,000
Total	.....	35	35	.....	3,600
SHIPMENTS, COASTWISE.					
Wood and paper: Lumber	1,280	.....	1,280	19,200	19,200
Total receipts and shipments	1,280	35	1,315	.....	22,800

SUMMARY.

Classes of commodities.	Tons.	Value.
Vegetable food products	20	$600
Wood and paper	1,280	19,200
Unclassified	15	3,000
Total	1,315	22,800

EAST PEARL RIVER, MISS.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1909	13,150	$126,888	1916	68,751	$460,130
1910	82,546	722,637	1917	55,423	810,709
1911	121,856	1,214,112	1918	77,954	1,080,417
1912	81,072	927,825	1919	75,075	1,349,565
1913	91,925	1,068,552	1920	51,191	1,282,414
1914	113,059	1,106,845	1921	109,621	1,090,730
1915	85,162	706,775			

The total number of tons and total value include floated logs, but the amount of such traffic were not available for separation. The number of passengers not available, but there were very few, if any.

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EAST PEARL RIVER, MISS.—continued.

[Navigation season: Throughout calendar year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products: Packing-house products		65	65	$22,750	$22,750
Vegetable food products			844		40,500
Flour		175		17,500	
Corn		392		9,800	
Oats		100		2,750	
Hay		40		1,200	
Mixed feed		75		2,250	
Vegetables		20		2,400	
Sugar		40		4,400	
Molasses		2		200	
Wood and paper: Logs (floated and barged) [1]	67,500		67,500	405,000	405,000
Nonmetallic minerals			230		2,350
Crude oil		225		2,250	
Cement		5		100	
Ores, metals, and manufactures of: Iron and steel	150		150	7,500	7,500
Chemicals: Fertilizer		10	10	300	300
Total	67,650	1,149	68,799		478,400
SHIPMENTS, COASTWISE.					
Wood and paper: Lumber	40,822		40,822	612,330	612,330
Total receipts and shipments	108,472	1,149	109,621		1,090,730

[1] Impracticable to separate.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	65	$22,750
Vegetable food products	844	40,500
Wood and paper	108,322	1,017,330
Nonmetallic minerals	230	2,350
Ores, metals, and manufactures of	150	7,500
Chemicals	10	300
Total	109,621	1,090,730

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PEARL RIVER, BELOW ROCKPORT, MISS.

Comparative statement of traffic.

Year.	General traffic.		Floated logs.	
	Tons.	Value.	Tons.	Value.
1903	202,500	$600,000	(2)	(2)
1904	(1)	(1)	(2)	(2)
1905	28,392	205,500	(2)	(2)
1906	63,420	990,390	(2)	(2)
1907	40,887	422,247	(2)	(2)
1908	21,744	239,696	(2)	(2)
1909	28,054	284,680	(2)	(2)
1910	76,878	705,763	(2)	(2)
1911	(1)	(1)	(2)	(2)
1912	191,173	1,086,335	(2)	(2)
1913	115,581	685,337	(2)	(2)
1914	111,497	427,688	(2)	(2)
1915	30,650	155,048	(2)	(2)
1916	21,586	95,446	(2)	(2)
1917	33,897	105,532	(2)	(2)
1918	28,353	438,170	(2)	(2)
1919	None.	None.	None.	None.
1920	None.	None.	None.	None.
1921	50	6,800	6,066	$24,264

[1] Not available. [2] Not available for separation from general traffic.

[Navigation season, for rafting at high stages only.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND						*Miles.*	*Cents.*
Vegetable food products			40		$1,800		
Corn		20		$800		8	(1)
Mixed feed		20		1,000		8	(1)
Ores, metals, and manufactures of: Hardware		10	10	5,000	5,000	5	(1)
Total		50	50		6,800		
DOWNBOUND.							
Wood and paper: Logs, floated	6,066		6,066	24,264	24,264	22	(1)
Total upbound and downbound	6,066	50	6,116		31,064		

[1] Impracticable to give rate per ton-mile.

Freight traffic, 1921.

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products	40	$1,800			40	$1,800
Ores, metals, and manufactures of	10	5,000			10	5,000
Wood and paper			6,066	$24,264	6,066	24,264
Total	50	6,800	6,066	24,264	6,116	31,064

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PEARL RIVER, BELOW ROCKPORT, MISS.—continued.

Vessel classification, 1921.

It is impracticable to obtain vessel classification for this portion of the river.

BAYOU SARA, ALA.

Comparative statement of traffic.

Year.	General traffic.		Floated logs.	
	Tons.	Value.	Tons.	Value.
1919	1,000	$9,000	(1)	(1)
1920	.....	.....	2,256	$22,331
1921	4,000	25,000	(1)	(1)

[1] Impracticable to separate.

[Navigation season. Entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS, INTERNAL.					
Wood and paper: Logs, floated and barged [1].	4,000	.....	4,000	$25,000	$25,000

[1] Impracticable to separate.

ONE MILE CREEK, ALA.

Comparative statement of traffic.

Year.	General traffic.		Floated logs.	
	Tons.	Value.	Tons.	Value.
1919	35,114	$414,447	(1)	(1)
1920	14,810	267,381	1,875	$22,625
1921	42,279	422,534	(1)	(1)

[1] Impracticable to separate.

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ONE MILE CREEK, ALA.—continued.

[Navigation season: Entire year.]

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL.					
Other vegetable products: Naval stores	.....	490	490	$28,000	$28,000
Wood and paper: Logs floated and barged [1]	20,599	.....	20,599	121,534	121,534
Total	20,599	490	21,089	.....	149,534
SHIPMENTS, INTERNAL.					
Other vegetable products: Naval stores	.....	1,190	1,190	68,000	68,000
Wood and paper: Lumber	20,000	.....	20,000	205,000	205,000
Total	20,000	1,190	21,190	.....	273,000
Total receipts and shipments	40,599	1,680	42,279	.....	422,534

[1] Impracticable to separate.

SUMMARY.

Classes of commodities.	Tons.	Value.
Other vegetable products	1,680	$96,000
Wood and paper	40,599	326,534
Total	42,279	422,534

THREE MILE CREEK, ALA.

Comparative statement of traffic.

Year.	Tons.	Value.
1919	6,749	$70,318
1920	26,161	382,977
1921	10,523	97,845

The total number of tons and total value include floated logs, but the amounts of such traffic were not available for separation.

[Navigation season. Entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS' INTERNAL.					
Wood and paper: Logs floated and barged [1]	10,523	.....	10,523	$97,845	$97,845

[1] Impracticable to separate.

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CHICKASAW CREEK, ALA.

Comparative statement of traffic.

Year.	Tons.	Value.
1919	145,859	$955,682
1920	103,441	880,923
1921	47,598	369,386

The total number of tons and total value include floated logs, but the amounts of such traffic were not available for separation.

[Navigation season. Entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL.					
Wood and paper			43,598		$344,386
Logs, floated and barged [1]	18,593			$86,358	
Timber	13,005			78,028	
Lumber	12,000			180,000	
Total	43,598		43,598		344,386
SHIPMENTS, INTERNAL.					
Wood and paper: Logs, floated and barged [1]	4,000		4,000	25,000	25,000
Total receipts and shipments	47,598		47,598		369,386

[1] Impracticable to separate.

SUMMARY.

Classes of commodities.	Tons.	Value.
Wood and paper	47,598	$369,386

NEW ORLEANS, LA., DISTRICT.

PORT OF NEW ORLEANS, LA.

(See page 1292 for report.)

LAKE PONTCHARTRAIN, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.		Passengers.
	Short tons.	Value.	Tons.	Value.	
1916	523,162	$5,353,255	37,630	$117,594	77,714
1917	773,176	7,777,235	129,195	645,975	55,417
1918	451,308	14,906,864	40,000	250,000	60,000
1919	426,562	14,208,851			7,750
1920	412,529	19,574,210			5,000
1921	468,951	8,052,090			5,000

NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

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LAKE PONTCHARTRAIN, LA.—continued.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
INTERNAL.						Miles.
Animals and animal products			85,415		$217,196	
Fish	13			$1,600		25
Oysters	3,225			112,875		25
Shells	82,177			102,721		25
Vegetable food products			1,180		79,920	
Melons	350			17,500		25
Potatoes		651		45,570		25
Rice		179		16,850		25
Other vegetable products: Naval stores		414	414	41,400	41,400	25
Textiles: Cotton		18	18	10,800	10,800	25
Wood and paper			91,572		2,065,808	
Laths	79			3,555		25
Lumber	78,232			1,955,800		25
Shingles		97		4,850		25
Staves	200			10,000		25
Ties	285			2,850		25
Cord wood	12,679			88,753		25
Nonmetallic minerals			267,521		570,766	
Brick	23,997			143,982		25
Charcoal	3,344			100,320		25
Coal, bituminous	2,586			15,516		25
Gravel	224			280		25
Tile, hollow	1,016			15,225		25
Sand	236,355			295,443		25
Machinery and vehicles: Automobiles	500		500	600,000	600,680	25
Unclassified: Miscellaneous		22,331	22,331	4,466,200	4,466,200	25
Total	445,261	23,690	468,951		8,052,090	

It was impracticable to procure rate per ton-mile.

SUMMARY.

Classes of commodities.	Tons.	Value.	Classes of commodities.	Tons.	Value.
Animals and animal products	85,415	$217,196	Nonmetallic minerals	267,521	$570,766
Vegetable food products	1,180	79,920	Machinery and vehicles	500	600,000
Other vegetable products	414	41,400	Unclassified	22,331	4,466,200
Textiles	18	10,800			
Wood and paper	91,572	2,065,808	Total	468,951	8,052,090

Vessel classification, 1921.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.	Passengers.
AMERICAN.				
Registered:				
Steamers	15	2,576	41,372	5,000
Sailing	77	1,766	34,647	
Gas boats	4	320	5,552	
Unregistered:				
Gas boats	75			
Unrigged barges	60			
Luggers	24			
Total	255	4,662	81,571	5,000

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CHEFUNCTE RIVER AND BOGUE FALIA, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.		Passengers.
	Short tons.	Value.	Tons.	Value.	
1916	284,621	$1,887,779	30,000	$93,750	7,771
1917	288,630	1,877,579	55,270	276,353	5,000
1918	246,399	6,941,893	64,992	406,200	14,932
1919	191,484	5,565,780	16,937	105,856	7,500
1920	190,351	1,582,839	19,610	122,562	5,000
1921	251,682	1,752,947	22,700	141,875	5,500

NOTE.—The amounts shown in columns floated logs are included in total columns.

[Navigation season: Jan 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
INTERNAL.						*Miles.*
Vegetable food products: Rice		180	180	$27,000	$27,000	12
Other vegetable products: Rosin		33	33	3,300	3,300	10
Wood and paper			35,584		431,359	
Lumber	11,072			276,800		3
Logs, floated	22,700			141,875		3
Wood	1,812			12,684		12
Nonmetallic minerals			213,385		291,288	
Brick	5,170			31,020		13
Sand	208,215			260,268		10
Machinery and vehicles: Automobiles	500		500	600,000	600,000	3
Unclassified: Miscellaneous		2,000	2,000	400,000	400,000	12
Total	249,469	2,213	251,682		1,752,947	

It was impracticable to procure rate per ton-mile.

SUMMARY.

Classes of commodities.	Tons.	Value.	Classes of commodities.	Tons.	Value.
Vegetable food products	180	$27,000	Machinery and vehicles	500	$600,000
Other vegetable products	33	3,300	Unclassified	2,000	400,000
Wood and paper	35,584	431,359			
Nonmetallic minerals	213,385	291,288	Total	251,682	1,752,947

Vessel classification, 1921.

Classes.	Number. on stream.	Number. of trips.	Net registered tonnage.	Passengers.
AMERICAN.				
Registered:				
Steamers	5	1,376	24,968	5,500
Sailing	15	362	8,330	
Gas boats	1	52	1,820	
Unregistered:				
Gas boats	20			
Unrigged barges	25			
Total	66	1,790	35,118	5,500

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PASS MANCHAC, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.		Passengers.
	Short tons.	Value.	Tons.	Value.	
1916	75,674	$1,127,503	37,630	$117,594	496
1917	60,141	1,646,694	21,472	107,360	417
1918	80,020	2,373,754	40,000	250,000	207
1919	38,629	2,057,049	.....	.....	250
1920	35,511	1,980,380	.....	.....	250
1921	30,709	1,699,913	.....	.....	212

NOTE.—The amounts shown in columns floated logs are included in total columns.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
INTERNAL.						Miles.
Animals and animal products	.....	.....	30	.....	$12,300	.....
All animals	27	.....	.....	$10,800	.....	7
Eggs	.....	3	.....	1,500	.....	7
Vegetable food products	.....	.....	892	.....	65,000	.....
Potatoes	.....	860	.....	60,200	.....	7
Rice	.....	32	.....	4,800	.....	7
Textiles: Cotton	.....	19	19	11,400	11,400	7
Wood and paper	.....	.....	24,268	.....	511,213	.....
Laths	.....	79	.....	3,555	.....	7
Lumber	17,934	.....	.....	448,350	.....	7
Shingles	.....	111	.....	5,550	.....	7
Staves	250	.....	.....	12,500	.....	7
Wood, cord	5,894	.....	.....	41,258	.....	7
Unclassified: Miscellaneous	.....	5,500	5,500	1,100,000	1,100,000	7
Total	24,105	6,604	30,709	.....	1,699,913	.....

It was impracticable to procure rate per ton-mile.

SUMMARY.

Classes of commodities.	Tons.	Value.	Classes of commodities.	Tons.	Value.
Animals and animal products	30	$12,300	Unclassified	5,500	$1,100,000
Vegetable food products	892	65,000			
Textiles	19	11,400	Total	30,709	1,699,913
Wood and paper	24,268	511,213			

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PASS MANCHAC, LA.—continued.

Vessel classification, 1921.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.	Passengers.
AMERICAN				
Registered:				
Steamers	4	366	7,678	212
Sailing	22	518	10,080	.....
Gas boats	2	184	1,820	.....
Unregistered:				
Gas boats	16	.....	.....	.....
Unrigged barges	15	.....	.....	.....
Total	59	1,068	19,578	212

TICKFAW, NATALBANY, PONCHATOULA, AND BLOOD RIVERS, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.		Passengers.
	Short tons.	Value.	Tons.	Value.	
1916	43,481	$455,207	24,281	$75,879	100
1917	34,561	643,513	12,767	63,834	128
1918	46,537	1,086,883	19,888	124,300	.....
1919	73,450	1,247,514	46,239	288,994	.....
1920	60,806	1,201,715	34,912	218,200	.....
1921	46,659	862,365	28,000	175,000	.....

NOTE.—The amounts shown in columns floated logs are included in total columns.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
INTERNAL.						*Miles.*
Wood and paper	.....	.....	45,159	.....	$562,365	.....
Laths	.....	79	.....	$3,555	.....	16
Lumber	14,542	.....	.....	363,550	.....	16
Logs	28,000	.....	.....	175,000	.....	16
Shingles	.....	8	.....	400	.....	16
Staves	50	.....	.....	2,500	.....	16
Cord wood	2,480	.....	.....	17,360	.....	16
Unclassified: Miscellaneous	.....	1,500	1,500	300,000	300,000	16
Total	45,072	1,587	46,659	.....	862,365	.....

It was impossible to procure rate per ton-mile.

SUMMARY.

Classes of commodities.	Tons.	Value.
Wood and paper	45,159	$562,365
Unclassified	1,500	300,000
Total	46,659	862,365

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TICKFAW, NATALBANY, PONCHATOULA, AND BLOOD RIVERS, LA.—con.

Vessel classification, 1921.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.	Passengers.
AMERICAN.				
Registered:				
Steamers	3	208	4,502	.....
Sailing	15	346	7,640	.....
Gas boats	2	162	1,616	.....
Unregistered:				
Gas boats	6	.....	.....	.....
Unrigged barges	10	.....	.....	.....
Total	36	716	13,758	.....

AMITE RIVER AND BAYOU MANCHAC, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.		Passengers.
	Short tons.	Value.	Tons.	Value.	
1916	109,117	912,678	90,273	$282,103	396
1917	87,578	1,313,166	70,702	353,511	289
1918	55,916	1,436,150	42,545	265,906	207
1919	42,577	1,293,274	31,159	194,745	250
1920	19,424	1,058,158	9,807	61,293	250
1921	20,989	1,068,416	8,939	55,868	212

NOTE.—The amounts shown in columns floated logs are included in total columns.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
INTERNAL.						Miles.
Animals and animal products	.....	.....	30	.....	$12,300	.....
All animals	27	.....	.....	$10,800	.....	35
Eggs	.....	3	.....	1,500	.....	35
Vegetable food products	.....	.....	892	.....	65,000	.....
Potatoes	.....	860	.....	60,200	.....	35
Rice	.....	32	.....	4,800	.....	35
Textiles: Cotton	.....	19	19	11,400	11,400	40
Wood and paper	.....	.....	16,048	.....	179,716	.....
Logs	8,939	.....	.....	55,868	.....	35
Lumber	3,392	.....	.....	84,800	.....	20
Shingles	.....	103	.....	5,150	.....	35
Staves, oak	200	.....	.....	10,000	.....	40
Cord wood	3,414	.....	.....	23,898	.....	.....
Unclassified: Miscellaneous	.....	4,000	4,600	800,000	800,000	35
Total	15,972	5,017	20,989	.....	1,068,416	.....

It was impracticable to obtain rate per ton-mile.

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AMITE RIVER AND BAYOU MANCHAC, LA.—continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	30	$12,300
Vegetable food products	892	65,000
Textiles	19	11,400
Wood and paper	16,048	179,716
Unclassified	4,000	800,000
Total	20,989	1,068,416

Vessel classification, 1921.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.	Passengers.
AMERICAN.				
Registered:				
Steamers	2	158	3,176	212
Sailing	16	172	2,340	.....
Gas boats	2	22	204	.....
Unregistered:				
Gas boats	10	.....	.....	.....
Unrigged barges	6	.....	.....	.....
Total	36	352	5,720	212

BARATARIA BAY, LA.

The improvement only being adopted by the river and harbor act approved March 2, 1919, there are no commercial statistics for the preceding calendar years.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.		Passengers
	Short tons.	Value.	Tons.	Value.	
1919	195,360	$10,057,286	91,864	$574,150	500
1920	168,238	9,199,566	91,974	574,837	500
1921	206,770	8,064,614	110,673	553,365	500

NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

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BARATARIA BAY, LA.—continued.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
						Miles.
Animals and animal products			10,932		$1,206,542	
Cattle		443		$47,130		50
Crabs		271		22,616		90
Eggs		276		110,472		90
Fish		186		74,344		90
Furs		21		127,200		60
Oysters		5,327		170,468		200
Shrimp, fresh		3,535		168,332		100
Shrimp, canned		453		235,560		50
Shrimp, brand		116		6,960		90
Shrimp, dried		304		243,460		90
Vegetable food products			30,925		1,651,651	
Beverages		450		79,480		60
Cabbage		300		15,000		90
Corn		2,706		48,315		40
Cucumbers		180		26,961		90
Onions		2,448		81,597		75
Peas, cow		430		34,400		60
Potatoes		6,063		181,892		75
Pumpkins		50		600		75
Rice		597		29,850		80
Squash		45		1,800		90
Sugar		15,563		1,095,710		75
Sirup		2,060		54,936		75
Watermelons		33		1,110		90
Other vegetable products: Moss		179	179	21,480	21,480	15
Wood and paper			113,301		609,370	
Barrels		67		6,690		50
Crossties	2,419			44,345		30
Logs, floated	110,673			553,365		80
Lumber	142			4,970		15
Nonmetallic minerals			26,757		301,841	
Charcoal		450		9,000		60
Coal	743			4,458		50
Oil, fuel	24,398			243,980		15
Gasoline	840			44,100		60
Gravel	246			283		20
Sand	80			20		20
Machinery and vehicles: Machinery		50	50	10,000	10,000	50
Chemicals: Fertilizer		145	145	8,700	8,700	75
Unclassified			24,481		4,255,030	
Ice	3,305			19,830		15
Miscellaneous		21,176		4,235,200		125
Total	142,846	63,924	206,770		8,064,614	

It was impracticable to secure rate per ton-mile.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	10,932	$1,206,542
Vegetable food products	30,925	1,651,651
Other vegetable products	179	21,480
Wood and paper	113,301	609,370
Nonmetallic minerals	26,757	301,841
Machinery and vehicles	50	10,000
Chemicals	145	8,700
Unclassified	24,481	4,255,030
Total	206,770	8,064,614

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BARATARIA BAY, LA.—continued.

Vessel classification, 1921.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.	Passengers.
AMERICAN.				
Registered:				
Steamers	9	573	28,740	500
Gas boats	38	1,948	19,959	.....
Unregistered:				
Gas boats	37	.....	.....	.....
Unrigged barges	14	.....	.....	.....
Total	98	2,521	48,699	500

BAYOU LAFOURCHE, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.		Passengers.
	Short tons.	Value.	Tons.	Value.	
1916	226,419	$4,710,479	26,379	$82,434	100
1917	226,203	5,588,229	22,400	112,000	(1)
1918	267,054	10,067,475	.....	.....	500
1919	241,249	10,510,997	.....	.....	160
1920	232,960	9,854,535	.....	.....	250
1921	257,594	9,264,022	.....	.....	250

[1] No passenger traffic reported.

NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
INTERNAL.						*Miles.*
Animals and animal products	.....	.....	525	.....	$203,050	.....
All animals	.....	362	.....	$144,800	.....	20
Eggs	.....	60	.....	30,000	.....	30
Furs	.....	28	.....	18,200	.....	60
Hides	.....	75	.....	10,050	.....	20
Vegetable food products	.....	.....	182,138	.....	4,648,243	.....
Cane, sugar	145,568	.....	.....	873,408	.....	30
Corn	.....	1,680	.....	117,600	.....	20
Feed, ground	.....	6,500	.....	390,000	.....	30
Molasses	.....	8,125	.....	609,375	.....	10
Oats	.....	600	.....	39,000	.....	20
Onions	.....	2,849	.....	170,940	.....	20
Potatoes	.....	6,100	.....	427,000	.....	20
Rice	.....	4,500	.....	675,000	.....	20
Sugar	.....	6,216	.....	745,920	.....	30
Wood and paper	.....	.....	1,500	.....	28,500	.....
Lumber	1,000	.....	.....	25,000	.....	30
Wood, cord	500	.....	.....	3,500	.....	30
Nonmetallic minerals	.....	.....	49,790	.....	673,529	.....
Brick	.....	75	.....	450	.....	20
Cement	.....	600	.....	12,000	.....	20
Lime	.....	120	.....	1,800	.....	20
Oil, fuel	40,846	.....	.....	510,575	.....	35
Oil, refined	.....	930	.....	55,800	.....	35
Petroleum and products	7,219	.....	.....	92,904	.....	.....
Ores, metals, and manufactures, iron and steel products	1,000	.....	1,000	120,000	120,000	20
Machinery and vehicles: Machinery	.....	141	141	28,200	28,200	30
Chemicals: Fertilizer	.....	2,500	2,500	162,500	162,500	10
Unclassified: Miscellaneous	.....	20,000	20,000	4,000,000	4,000,000	20
Total	196,133	61,461	257,594	.....	9,264,022	.....

It was impracticable to procure rate per ton-mile.

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BAYOU LAFOURCHE, LA—continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	525	$203,050
Vegetable food products	182,138	4,048,243
Wood and paper	1,500	28,500
Nonmetallic minerals	49,790	673,529
Ores, metals, and manufactures	1,000	120,000
Machinery and vehicles	141	28,200
Chemicals	2,500	162,500
Unclassified	20,000	4,000,000
Total	257,594	9,264,022

Vessel classification, 1921.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.	Passengers.
AMERICAN.				
Registered:				
Steamers	9	894	73,504	250
Gas boats	7	1,500	18,000	.....
Unregistered:				
Gas boats	25	.....	.....	.....
Unrigged barges	100	.....	.....	.....
Total	141	2,394	91,504	250

BAYOU TERREBONNE, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.		Passengers.
	Short tons.	Value.	Tons.	Value.	
1916	179,962	$3,310,045	63,477	$198,366	1,182
1917	188,411	5,445,465	61,214	306,072	1,500
1918	190,191	6,632,487	55,760	348,500	1,000
1919	171,953	5,928,915	45,244	282,775	1,160
1920	163,205	6,597,125	47,411	296,318	1,250
1921	150,537	5,575,803	26,604	166,837	1,000

NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

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BAYOU TERREBONNE, LA.—continued.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
INTERNAL.						*Miles.*
Animals and animal products			13,275		$789,750	
All animals		200		$80,000		10
Eggs		150		75,000		30
Furs		25		16,250		30
Fish		300		120,000		40
Hides		100		14,000		10
Oysters		10,500		367,500		40
Potatoes		1,000		70,000		30
Shrimp		1,000		47,000		40
Vegetable food products			79,429		2,443,999	
Cane, sugar	58,054			348,324		15
Corn		490		34,300		15
Feed, ground		4,000		240,000		15
Molasses		3,885		291,375		20
Onions		500		30,000		30
Sugar		12,500		1,500,000		15
Wood and paper			29,694		205,837	
Logs	26,694			166,837		12
Lumber	1,000			25,000		15
Wood, cord	2,000			14,000		30
Nonmetallic minerals			16,874		28,417	
Brick	500			3,000		15
Coal	300			1,800		15
Gravel	15,774			19,117		15
Lime		300		4,500		15
Ores, metals, and manufactures of: Iron and steel products	465		465	55,800	55,800	20
Chemicals: Fertilizer		800	800	52,000	52,000	20
Unclassified: Miscellaneous		10,000	10,000	2,000,000	2,000,000	15
Total	104,787	45,750	150,537		5,575,803	

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	13,275	$789,750
Vegetable food products	79,429	2,443,999
Wood and paper	29,694	205,837
Nonmetallic minerals	16,874	28,417
Ores, metals, and manufactures of	465	55,800
Chemicals	800	52,000
Unclassified	10,000	2,000,000
Total	150,537	5,575,803

Vessel classification, 1921.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.	Passengers.
AMERICAN.				
Registered:				
Steamers	3	375	28,386	1,000
Gas boats	13	1,500	10,500	
Unregistered:				
Gas boats	400			
Unrigged barges	150			
Total	566	1,875	38,886	1,000

It was impracticable to procure rate per ton-mile.

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BAYOU PLAQUEMINE, GRAND RIVER, AND PIGEON BAYOUS, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.		Passengers.
	Short tons.	Value.	Tons.	Value.	
1916	738,443	$8,625,779	580,682	$1,814,631	294
1917	776,781	13,666,822	655,928	3,279,641	406
1918	638,341	13,381,068	516,647	3,229,043	777
1919	667,388	13,099,688	568 000	3,550,000	500
1920	665,497	12,903,401	580,000	3,625,000	1,000
1921	686,866	13,971,961	590,845	3,692,781	549

NOTE.—The amount shown in columns "Floated logs" are included in total columns.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
INTERNAL.						*Miles.*
Animals and animal products			1,428		$398,500	
All animals		22		$8,800		40
Farm and dairy products		146		65,700		40
Fish		750		300,000		40
Furs		10		6,500		40
Oysters		500		17,500		60
Vegetable food products			10,604		1,258,500	
Molasses		828		62,100		60
Rice		776		116,400		60
Sugar		9,000		1,080,000		60
Other vegetable products: Moss		75	75	5,625	5,625	
Wood and paper			599,845		3,827,781	
Logs, floated	590,845			3,692,781		25
Lumber	4,000			100,000		40
Wood, cord	5,000			35,000		40
Nonmetallic minerals			34,080		386,975	
Coal	2,828			16,968		40
Oil, fuel	29,417			367,713		60
Gravel	1,835			2,294		60
Ores, metals, and manufactures of: Iron and steel products	734		734	88,080	88,080	40
Chemicals: Fertilizer		100	100	6,500	6,500	40
Unclassified: Miscellaneous		40,000	40,000	8,000,000	8,000,000	60
Total	634,659	52,207	686,866		13,971,961	

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	1,428	$398,500
Vegetable food products	10,604	1,258,500
Other vegetable products	75	5,625
Wood and paper	599,845	3,827,781
Nonmetallic minerals	34,080	386,975
Ores, metals, and manufactures of	734	88,080
Chemicals	100	6,500
Unclassified	40,000	8,000,000
Total	686,866	13,971,961

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BAYOU PLAQUEMINE, GRAND RIVER, AND PIGEON BAYOUS, LA.—Con.

Vessel classification, 1921.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.	Passengers.
AMERICAN.				
Registered:				
Steamers	44	301	24,682	549
Gas boats	40	838	5,896	.....
Unregistered:				
Gas boats	85	.....	.....	.....
Unrigged barges	81	.....	.....	.....
Total[1]	250	1,139	30,578	549

BAYOU GROSSETETE, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.	
	Short tons.	Value.	Tons.	Value.
1916	205,131	$878,500	$180,000	$562,500
1917	237,947	1,572,948	220,000	1,100,000
1918	214,823	1,948,427	200,000	1,250,000
1919	229,879	2,019,172	216,000	1,350,000
1920	172,035	1,630,407	160,000	1,000,000
1921	154,467	1,468,949	140,292	876,825

NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Packages.		By commodities.	By classes.	
INTERNAL.						*Miles.*
Vegetable food products: Cane, sugar	6,000	.....	6,000	$48,000	$48,000	3
Other vegetable products: Moss	.....	150	150	11,250	11,250	20
Wood and paper	.....	.....	143,292	.....	897,825	.....
Logs, floated	140,292	.....	.....	876,825	.....	20
Wood, cord	3,000	.....	.....	21,000	.....	20
Nonmetallic minerals	.....	.....	2,525	.....	11,874	.....
Gravel	1,750	.....	.....	2,187	.....	20
Oil, fuel	775	.....	.....	9,687	.....	20
Unclassified: Miscellaneous	.....	2,500	2,500	500,000	500,000	20
Total	151,817	2,650	154,467	.....	1,468,949	.....

It was impracticable to procure rate per ton-mile.

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BAYOU GROSSETETE, LA.—continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Vegetable food products	6,000	$48,000
Other vegetable products	150	11,250
Wood and paper	143,292	897,825
Nonmetallic minerals	2,525	11,874
Unclassified	2,500	500,000
Total	154,467	1,468,949

Vessel classification, 1921.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.
AMERICAN.			
Registered:			
Steamers	4	151	8,272
Gas boats	4	272	4,344
Unregistered:			
Gas boats	12		
Unrigged barges	20		
Total	40	423	12,616

BAYOU TECHE, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.		Passengers.
	Short tons.	Value.	Tons.	Value.	
1916	555,776	$6,490,307	417,742	$1,305,444	1,500
1917	693,622	11,651,378	557,138	2,785,692	2,000
1918	550,370	12,022,872	426,000	2,662,500	500
1919	581,120	11,850,298	458,000	2,862,500	750
1920	571,206	11,249,284	466,000	2,912,500	1,000
1921	279,159	1,607,676	221,241	992,343	None.

NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Packages.		By commodities.	By classes.
INTERNAL.					
Vegetable food products			35,258		$431,985
Cane, sugar	30,003			$210,021	
Rice		4,853		209,868	
Sugar		402		12,096	
Wood and paper			228,323		1,020,735
Logs, floated	221,241			992,343	
Lumber	750			11,000	
Shingles		16		560	
Wood, cord	6,316			16,832	
Nonmetallic minerals: Oil, fuel	15,536		15,536	139,956	139,956
Machinery and vehicles: Locomotive crane		42	42	15,000	15,000
Total	273,846	5,313	279,159		1,607,676

It was impracticable to obtain rate per ton-mile.

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BAYOU TECHE, LA.—continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Vegetable food products	35,258	$431,985
Wood and paper	228,323	1,020,735
Nonmetallic minerals	15,536	139,956
Machinery and vehicles	42	15,000
Total	279,159	1,607,676

Vessel classification, 1921.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.
AMERICAN.			
Registered:			
Steamers	8	365	17,933
Gas boats	5	936	5,386
Barges	21	386	131,856
Dredge	1	1	200
Unregistered:			
Gas boats	2	.....	.....
Barges	5	.....	.....
Total	42	1,688	155,375

PLAQUEMINE LOCK, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.		Passengers.
	Short tons.	Value.	Tons.	Value.	
1916	156,885	$2,878,731	54,832	$171,350	294
1917	205,741	5,122,398	93,283	466,415	406
1918	120,294	1,565,558	51,851	324,096	27
1919	145,849	6,279,908	75,596	472,475	130
1920	120,846	2,024,939	90,058	562,863	157
1921	126,224	4,644,130	68,604	428,775	49

NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

Lockages made and traffic passed at Plaquemine Lock during the calendar year ended December 31, 1921.

Lockages	1,135	Barges	380
Steamers	315	Other crafts	464
Gas boats	837	Passengers	49

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PLAQUEMINE LOCK, LA.—continued.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL.					
Animals and animal products			328		$80,100
All animals	22			$8,800	
Farm and dairy products		146		65,700	
Oysters		160		5,600	
Vegetable food products			10,604		1,258,500
Molasses		828		62,100	
Rice		776		116,400	
Sugar		9,000		1,080,000	
Textiles: Cotton		12	12	7,200	7,200
Wood and paper			68,712		431,475
Logs	68,604			428,775	
Lumber	108			2,700	
Nonmetallic minerals			34,080		386,975
Coal	2,828			16,968	
Oil, fuel	29,417			367,713	
Gravel	1,835			2,294	
Ores, metals, and manufactures: Iron and steel products	734		734	88,080	88,080
Unclassified			11,754		2,391,800
Miscellaneous		410		123,000	
Miscellaneous merchandise		11,344		2,268,800	
Total	103,548	22,676	126,224		4,644,130

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	328	$80,100
Vegetable food products	10,604	1,258,500
Textiles	12	7,200
Wood and paper	68,712	431,475
Nonmetallic minerals	34,080	386,975
Ores, metals, and manufactures of	734	88,080
Unclassified	11,754	2,391,800
Total	126,224	4,644,130

KEYSTONE LOCK, BAYOU TECHE, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.		Passengers.
	Short tons.	Value.	Tons.	Value.	
1916	10,971	$165,336			143
1917	10,172	343,155			43
1918	10,957	418,461	7,610	$47,563	26
1919	10,228	660,245	4,400	27,500	108
1920	6,481	485,370	3,220	20,125	26
1921	3,786	478,867	1,008	6,300	124

NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

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KEYSTONE LOCK, BAYOU TECHE, LA.—continued.

Lockages made and traffic passed at Keystone Lock during the calendar year ended December 31, 1921.

Lockages	156	Barges	44
Steamers	5	Other crafts	37
Gas boats	124	Passengers	134

[Navigation season: Jan. 1, to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL.					
Vegetable food products			1,018		$144,847
Rice		955		$143,250	
Sugar		10		1,200	
Straw	53			397	
Wood and paper			1,030		6,950
Logs	1,008			6,300	
Lumber	18			450	
Shingles		4		200	
Nonmetallic minerals			113		990
Coal	65			390	
Oil, fuel	48			600	
Ores, metals, and manufactures: Iron and steel products	9		9	1,080	1,080
Unclassified			1,616		325,000
Miscellaneous		18		5,400	
Miscellaneous merchandise		1,598		319,600	
Total	1,201	2,585	3,786		478,867

SUMMARY.

Classes of commodities.	Tons	Value.
Vegetable food products	1,018	$144,847
Wood and paper	1,030	6,950
Nonmetallic minerals	113	990
Ores, metals, and manufactures of	9	1,080
Unclassified	1,616	325,000
Total	3,786	478,867

ATCHAFALAYA RIVER, MORGAN CITY TO THE GULF OF MEXICO, LA.

Comparative statement of traffic.

Year.	Atchafalaya Bay ship channel.		Entering and leaving Morgan City.				
			Total.		Floated logs.		Passengers.
	Short tons.	Value.	Short tons.	Value.	Tons.	Value.	
1916	20,823	$313,305	671,543	$5,386,538	510,904	$1,596,575	2,509
1917	8,183	255,054	814,713	9,582,779	675,366	3,376,780	2,500
1918	11,626	1,221,998	624,903	11,296,849	459,721	2,873,256	(1)
1919	14,029	2,105,751	617,792	12,430,818	473,056	2,956,600	500
1920	15,852	404,025	658,900	10,875,878	514,437	3,215,231	500
1921	52,357	250,054	419,794	9,063,149	309,211	1,500,886	45

[1] No passengers carried.

NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

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ATCHAFALAYA RIVER—continued.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
						Miles.
Animals and animal products			431		$169,506	
All animals		124		$46,800		5
Eggs		3		1,245		20
Fish	303			121,261		20
Poultry		1		200		30
Vegetable food products			3,184		182,972	
Cane, sugar	30			210		10
Corn		112		2,000		10
Cotton seed		600		18,000		25
Grain and products		900		13,500		10
Molasses		42		2,672		5
Oats		4		1,200		10
Onions		2		240		10
Potatoes		30		1,600		10
Rice		74		3,200		8
Sugar		1,390		140,360		5
Textiles: Cotton		200	200	80,000	80,000	
Wood and paper			359,952		2,364,436	
Logs, floated	309,211			1,530,886		25
Lumber	47,732			834,810		20
Shingles		884		20,240		20
Wood, cord	2,125			8,500		15
Nonmetallic minerals			25,278		275,287	
Brick	20			200		35
Cement		50		1,000		35
Coal	2,500			21,875		25
Oil, fuel	22,501			245,552		8
Oil, refined		45		2,400		8
Lime		12		360		35
Salt		150		3,900		25
Ores, metals and manufactures of:						
Iron and steel products	100		100	5,000	5,000	25
Machinery and vehicles			598		55,000	
Locomotive crane		42		15,000		166
Machinery		556		40,000		26
Chemicals			106		6,660	
Fertilizer		100		6,500		25
Tar		6		160		25
Unclassified			29,945		5,924,288	
Boats and barges	120			54,000		30
Ice	449			5,088		25
Miscellaneous		29,376		5,865,200		80
Total	385,091	34,703	419,794		9,063,149	

It was impracticable to procure rate per ton-mile.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	431	$169,506
Vegetable food products	3,184	182,972
Textiles	200	80,000
Wood and paper	359,952	2,364,436
Nonmetallic minerals	25,278	275,287
Ores, metals and manufactures of	100	5,000
Machinery and vehicles	598	55,000
Chemicals	106	6,660
Unclassified	29,945	5,924,288
Total	419,794	9,063,149

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ATCHAFALAYA RIVER—continued.

Vessel classification, 1921.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.	Passengers.
AMERICAN.				
Registered:				
Steamers	13	841	68,631	45
Gas boats	18	1,818	20,055	.....
Unrigged barges	12	1,593	52,950	.....
Unregistered: Unrigged barges	6	.....	.....	.....
Total	49	4,252	141,636	45

ATCHAFALAYA BAY SHIP CHANNEL.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities (bulk).	Amount in short tons, by classes.	Value.	
			By commodities.	By classes.
COASTWISE.				
Animals and animal products, except wool and hair	.....	46,881	.....	$163,062
Oysters	2,100	.....	$73,500	.....
Shells	44,781	.....	89,562	.....
Nonmetallic minerals	.....	5,476	.....	86,992
Fuel oil	5,233	.....	84,866	.....
Coal	243	.....	2,126	.....
Total	52,357	52,357	.....	250,054

INTRACOASTAL WATERWAY, MISSISSIPPI RIVER TO BAYOU TECHE, LA.

The improvement was adopted by the river and harbor act of March 2, 1919. There are no commercial statistics for the waterway for the calendar year 1921. However, considerable traffic was carried on the different streams which will make up the waterway. This commerce now enters New Orleans through the Harvey Canal and Company Canal.

INTERCOASTAL WATERWAY, FRANKLIN TO MERMENTAU, LA.

Comparative statement of traffic.

Calendar year.	Short tons.	Value.	Passengers.
1916	7,572	$372,383	4,645
1917	11,893	662,562	5,319
1918	10,194	360,460	1,652
1919	9,761	730,757	5,373
1920	8,975	842,420	6,345
1921	5,368	411,075	6,312

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INTERCOASTAL WATERWAY, FRANKLIN TO MERMENTAU, LA.—contd.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
INTERNAL.						*Miles.*
Animals and animal products			1,049		$73,678	
All animals		143		$57,200		35
Farm and dairy products		32		14,400		35
Oysters	10			350		35
Shells	864			1,728		40
Vegetable food products: Rice		572	572	85,800	85,800	35
Textiles: Cotton		144	144	86,400	86,400	35
Wood and paper: Lumber	80		80	2,000	2,000	35
Nonmetallic minerals			2,957		40,112	
Oil, fuel	2,857			38,112		10
Cement		100		2,000		35
Ores, metals, and manufactures of: Iron and steel	65		65	7,800	7,800	35
Chemcals: Fertilizer		149	149	9,685	9,685	18
Unclassified: Miscellaneous		352	352	105,600	105,600	35
Total	3,876	1,492	5,368	411,075	411,075	

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	1,049	$73,678
Vegetable food products	572	85,800
Textiles	144	86,400
Wood and paper	80	2,000
Nonmetallic minerals	2,957	40,112
Ores, metals, and manufactures of	65	7,800
Chemicals	149	9,685
Unclassified	352	105,600
Total	5,368	411,075

Vessel classification, 1921.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.	Passengers.
AMERICAN.				
Registered:				
Steamers	1	30	120	6,312
Gas boats	4	308	2,845	
Unregistered:				
Gas boats	2			
Unrigged barges	25			
Schooners	1			
Total	33	338	2,965	6,312

INTRACOASTAL WATERWAY, VERMILION RIVER TO SCHOONER BAYOU, LA.

The project for this improvement was added by the river and harbor act of March 2, 1919, and being a proposed cut-off connecting the Vermilion River with the inland waterway, there are no commercial statistics for the calendar year 1921.

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INTRACOASTAL WATERWAY, CALCASIEU RIVER TO SABINE RIVER, LA. AND TEX.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.		Passengers.
	Short tons.	Value.	Tons.	Value.	
1916	24,048	$1,583,923			500
1917	26,397	2,311,982			586
1918	17,862	2,277,948			500
1919	14,230	2,364,679			57
1920	14,558	1,785,366	120	$750	72
1921	26,671	1,658,318			54

NOTE.—The amounts shown in column "Floated logs" are included in total columns.

[Navigation season: Jan. 1, 1921 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
INTERNAL.						*Miles.*
Animals and animal products			6,301		$1,114,120	
All animals	5,026			$604,120		21
Fish and oysters		1,275		510,000		60
Vegetable food products			6,088		370,145	
Feed, ground		4		124		21
Groceries		75		15,000		30
Rice		5,839		347,521		48
Rice bran		150		7,500		40
Wood and paper			13,348		131,546	
Lumber	10,340			113,450		40
Wood, cord	3,008			18,096		21
Nonmetallic minerals			809		7,478	
Brick	20			200		60
Fuel distillate		2		117		21
Oil, fuel	787			7,161		50
Machinery and vehicles: Machinery	114		114	26,900	26,900	60
Unclassified: Miscellaneous		11	11	8,129	8,129	21
Total	19,295	7,376	26,671	1,658,318	1,658,318	

It was impracticable to procure rate per ton-mile.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	6,301	$1,114,120
Vegetable food products and beverages	6,088	370,145
Wood and paper	13,348	131,546
Nonmetallic minerals	809	7,478
Machinery and vehicles	114	26,900
Unclassified	11	8,129
Total	26,671	1,658,318

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INTERCOASTAL WATERWAY, CALCASIEU RIVER TO SABINE RIVER, LA. AND TEX.—continued.

Vessel classification, 1921.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.	Passengers.
AMERICAN.				
Registered:				
Steamers	1	1	85	54
Gas boats	5	108	734	.....
Unrigged barges	16	27	3,877	.....
Unregistered:				
Gas boats	5	.....	.....	.....
Unrigged barges	13	.....	.....	.....
Total	40	136	4,696	54

SCHOONER BAYOU LOCK, LA.

Comparative statement of traffic.

Calendar year.	Short tons.	Value.	Passengers.
1914	1,066	$108,587	6,930
1915	1,145	148,015	5,136
1916	1,596	139,076	4,645
1917	1,833	159,605	4,367
1918	919	139,945	3,375
1919	1,275	249,400	5,373
1920	2,948	357,395	6,345
1921	1,859	366,062	6,312

Traffic passed at Schooner Bayou Lock during calendar year ended December 31, 1921.

Steamers	5	Other crafts	194
Gas boats	1,430	Passengers	6,312
Barges	134		

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL.					
Animals and animal products	.....	.....	185	.....	$71,950
All animals	143	.....	.....	$57,200	.....
Farm and dairy products	.....	32	.....	14,400	.....
Oysters	10	.....	.....	350	.....
Vegetable food products: Rice	.....	572	572	85,800	85,800
Textiles: Cotton	.....	144	144	86,400	86,400
Wood and paper: Lumber	80	.....	80	2,000	2,000
Nonmetallic minerals	.....	.....	461	.....	6,512
Oil, fuel	.....	361	.....	4,512	.....
Cement	.....	100	.....	2,000	.....
Ores, metals, and manufactures: Iron and steel products	65	.....	65	7,800	7,800
Unclassified: Miscellaneous	.....	352	352	105,600	105,600
Total	298	1,561	1,859	366,062	366,062

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SCHOONER BAYOU LOCK, LA.—continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	185	$71,980
Vegetable food products	572	85,880
Textiles	144	86,400
Wood and paper	80	2,000
Nonmetallic minerals	461	6,512
Ores, metals, and manufactures	65	7,800
Unclassified	352	105,600
Total	1,859	366,062

BAYOU VERMILION, LA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1899	7,650	$404,480	.....	1911	29,251	$292,292	.....
1900	21,150	527,850	.....	1912	25,687	283,736	.....
1901	31,385	498,125	.....	1913	35,369	287,670	.....
1902	37,000	(1)	.....	1914	27,915	282,362	.....
1903	15,157	418,120	.....	1915	21,208	368,954	.....
1904	29,326	493,036	.....	1916	32,766	592,713	5,000
1905	28,092	710,170	.....	1917	32,810	901,222	5,212
1906	32,025	800,350	.....	1918	33,134	1,051,632	3,375
1907	37,515	792,500	.....	1919	33,848	1,304,830	1,748
1908	26,509	474,550	.....	1920	33,637	1,313,110	2,605
1909	31,593	663,519	.....	1921	28,287	530,077	1,922
1910	26,428	411,673	.....				

[1] No statistics available.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
INTERNAL.						
Animals and animal products: All animals	38	.....	38	$2,880	$2,880	*Miles.* 51
Vegetable food products, oil seeds	.....	.....	24,847	.....	275,071	.....
Cane, sugar	22,000	.....	.....	154,000	.....	20
Cotton seed	.....	130	.....	3,531	.....	56
Cotton in seed	.....	3	.....	120	.....	40
Rice	.....	2,714	.....	117,420	.....	42
Textiles: Cotton	.....	74	74	19,330	19,330	51
Wood and paper: Lumber	162	.....	162	2,688	2,688	30
Nonmetallic minerals	.....	2,111	.....	.....	19,108	.....
Brick	75	.....	.....	750	.....	15
Cement	.....	5	.....	100	.....	15
Lime	.....	1	.....	30	.....	15
Oil, fuel	2,025	.....	.....	18,225	.....	15
Sand	5	.....	.....	3	.....	15
Unclassified: Miscellaneous	.....	1,055	1,055	211,000	211,000	51
Total	24,305	3,982	28,287	.....	530,077	.....

It was impractible to obtain rate per ton-mile.

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BAYOU VERMILION, LA.—continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	38	$2,880
Vegetable food products	24,847	275,071
Textiles	74	19,330
Wood and paper	162	2,688
Nonmetallic minerals	2,111	19,108
Unclassified	1,055	211,000
Total	28,287	530,077

Vessel classification, 1921.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.	Passengers.
AMERICAN.				
Registered:				
Steamers	2	126	6,722	1,922
Gas boats	3	212	1,748	.....
Unregistered:				
Gas boats	8	.....	.....	.....
Unrigged barges	47	.....	.....	.....
Total	60	338	8,470	1,922

MERMENTAU RIVER, BAYOU NEZPIQUE, AND BAYOU DES CANNES, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.		Passengers.
	Short tons.	Value.	Tons.	Value.	
1916	26,805	$990,677	4,000	$12,500	9,600
1917	36,444	1,569,831	9,670	48,352	11,400
1918	37,374	1,932,235	10,000	62,500	14,000
1919	38,316	2,165,779	10,000	62,500	12,000
1920	32,258	2,250,362	12,000	75,000	10,000
1921	10,982	310,733	.....	.....	.....

NOTE.—No passenger traffic or floated logs on this stream during 1921.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
						Miles.
Animals and animal products: Shells	864	.....	864	$1,728	$1,728	40
Vegetable food products, oil seeds	.....	.....	6,078	.....	258,633	.....
Feed, ground	.....	343	.....	10,633	.....	18
Rice	.....	5,735	.....	248,000	.....	14
Wood and paper: Lumber	400	.....	400	7,000	7,000	20
Nonmetallic minerals	.....	.....	3,004	.....	36,287	.....
Coal	169	.....	.....	1,690	.....	20
Gravel	330	.....	.....	412	.....	18
Oil, fuel	2,496	.....	.....	33,600	.....	10
Oil, refined	.....	9	.....	585	.....	80
Chemicals: Fertilizer	.....	149	149	9,685	9,685	19
Unclassified: Miscellaneous	.....	487	487	97,400	97,400	80
Total	4,259	6,723	10,982	.....	310,733	.....

It was impracticable to procure rate per ton-mile.

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MERMENTAU RIVER, BAYOU NEZPIQUE, AND BAYOU DES CANNES, LA.—continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	864	$1,728
Vegetable food products	6,078	258,633
Wood and paper	400	7,000
Nonmetallic minerals	3,004	36,267
Chemicals	149	9,685
Unclassified	487	97,400
Total	10,982	310,713

Vessel classification, 1921.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.
AMERICAN.			
Registered:			
Steamers	1	30	120
Gas boats	4	308	2,845
Unregistered:			
Gas boats	2		
Unrigged barges	25		
Schooners	1		
Total	33	338	2,965

BAYOU QUEUE DE TORTUE, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.	
	Short tons.	Value.	Tons.	Value.
1916	5,371	$74,112	2,000	$6,250
1917	6,036	102,565	2,400	12,000
1918	7,137	96,650	3,000	18,750
1919	7,745	193,775	2,000	12,500
1920	5,411	116,307	3,000	18,750
1921	4,816	92,205	3,000	18,750

No passengers carried on this stream.
NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Packages.		By commodities.	By classes.	
INTERNAL.						*Miles.*
Vegetable food products, oilseeds			246		$35,730	
Feed, ground		13		$780		5
Rice		233		34,950		8
Wood and paper			3,500		22,250	
Logs, floated	3,000			18,750		20
Wood, cord	500			3,500		20
Nonmetallic minerals: Oil, fuel	930		930	11,625	11,625	8
Chemicals: Fertilizer		40	40	2,600	2,600	5
Unclassified: Miscellaneous		100	100	20,000	20,000	18
Total	4,430	386	4,816		92,205	

It was impracticable to obtain rate per ton-mile.

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BAYOU QUEUE DE TORTUE, LA.—continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Vegetable food products	246	$35,730
Wood and paper	3,500	22,250
Nonmetallic minerals	930	11,625
Chemicals	40	2,000
Unclassified	100	20,000
Total	4,816	92,205

Vessel classification, 1921.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.
AMERICAN.			
Registered:			
Steamers	1	3	12
Gas boats	2	16	80
Unregistered:			
Gas boats	5		
Unrigged barges	15		
Total	23	19	92

BAYOU PLAQUEMINE BRULE, LA.

Comparative statement of traffic.

Calendar Year.	Total.		Floated logs.	
	Short tons.	Value.	Tons.	Value.
1916	8,869	$50,572	7,000	$21,875
1917	6,588	74,328	3,670	18,350
1918	8,440	118,850	4,800	30,000
1919	9,247	126,337	4,800	30,000
1920	9,990	122,500	6,000	37,500
1921	6,725	85,187	4,000	25,000

There is no passenger traffic on this stream.
NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Packages.		By commodities.	By classes.	
INTERNAL.						Miles.
Wood and paper			4,560		$30,000	
Logs, floated	4,000			$25,000		20
Lumber	60			1,500		20
Wood, cord	500			3,500		20
Nonmetallic minerals: Oil, fuel	2,015		2,015	25,187	25,187	18
Unclassified: Miscellaneous		150	150	30,000	30,000	15
Total	6,575	150	6,725		85,187	

It was impracticable to obtain rate per ton-mile.

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BAYOU PLAQUEMINE BRULE, LA.—continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Wood and paper	4,560	$30,000
Nonmetallic minerals	2,015	25,187
Unclassified	150	30,000
Total	6,725	85,187

Vessel classification, 1921.

Classes.	Number on stream.	Number of trips.	Net registered tonnage.
AMERICAN.			
Registered:			
Steamer	1	3	12
Gas boats	2	23	115
Unregistered:			
Gas boats	5	.....	.....
Unrigged barges	6	.....	.....
Total	14	26	127

CALCASIEU RIVER AND PASS, LA.

Comparative statement of traffic.

Calendar year.	Total.		Floated logs.		Passengers.
	Short tons.	Value.	Tons.	Value.	
1916	672,502	$4,165,907	605,083	$1,890,885	6,016
1917	767,430	8,194,972	691,585	3,457,925	6,500
1918	614,652	8,183,119	542,634	3,391,462	7,276
1919	628,739	8,401,245	556,912	3,480,700	2,500
1920	636,254	8,088,194	562,500	3,515,625	47,462
1921	356,170	1,497,167	329,583	809,636	30,229

NOTE.—The amounts shown in columns "Floated logs" are included in total columns.

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CALCASIEU RIVER AND PASS, FLA.—continued.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
INTERNAL.						*Miles.*
Animals and animal products			1,737		$206,090	
All animals	814			$125,250		50
Eggs		6		2,000		80
Fish and oysters		717		38,200		60
Furs		3		35,000		60
Hides		40		5,040		60
Poultry		7		300		60
Shells	150			300		10
Vegetable food products, oil seeds			7,755		296,533	
Corn		56		4,000		60
Feed, ground		25		750		60
Oats		7		250		50
Potatoes		7		450		60
Rice		7,640		290,083		55
Sugar		20		1,000		60
Textiles: Cotton		12	12	4,128	4,128	60
Wood and paper			334,232		860,500	
Logs, floated	329,533			809,636		25
Lumber	1,392			25,110		60
Shingles		307		7,754		10
Wood, cord		3,000		18,000		60
Nonmetallic minerals			11,301		22,596	
Brick	20			170		40
Cement		2		40		60
Coal	90			1,100		40
Lime		2		75		60
Oil, fuel	1,601			13,186		25
Oil, refined		11		750		25
Sand	9,500			4,275		20
Salt		75		3,000		60
Ores, metals, and manufactures of: Iron and steel	86		86	10,320	10,320	25
Machinery and vehicles: Machinery	87		87	21,400	21,400	60
Unclassified			960		75,600	
Boats, barges, etc	500			3,000		100
Ice	100			600		60
Miscellaneous		360		72,000		35
Total	343,873	12,297	356,170	1,497,167	1,497,167	

It was impracticable to obtain rate per ton-mile.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	1,737	$206,090
Vegetable food products	7,755	296,533
Textiles	12	4,128
Wood and paper	334,232	860,500
Nonmetallic minerals	11,301	22,596
Ores, metals, and manufactures of	86	10,320
Machinery and vehicles	87	21,400
Unclassified	960	75,600
Total	356,170	1,497,167

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CALCASIEU RIVER AND PASS, LA.—continued.

Vessel classification, 1921.

Classes.	Number on stream.	Number of trips.	Netregistered tonnage.	Passengers.
AMERICAN.				
Registered:				
Steamers	4	469	34,561	30,229
Gas boats	10	661	8,132	.....
Unrigged barges	19	122	18,155	.....
Unregistered:				
Gas boats	12	.....	.....	.....
Unrigged barges	16	.....	.....	.....
Total	61	1,252	60,848	30,229

GALVESTON, TEX., DISTRICT.

GALVESTON HARBOR, TEX.[1]

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1891	456,618	$59,634,000	.....	1906 [2]	2,602,465	$524,017,366	.....
1892	445,413	51,260,000	.....	1907	(3)	447,668,044	.....
1893	400,353	51,250,000	.....	1908	(3)	426,057,806	.....
1894	516,679	44,003,000	.....	1909	3,039,822	364,413,206	.....
1895	826,125	56,951,000	.....	1910	2,503,085	378,140,062	.....
1896	772,596	46,490,800	.....	1911	3,793,273	427,016,385	.....
1897	1,239,822	68,261,553	.....	1912	4,117,524	509,181,480	.....
1898	2,930,064	94,596,293	.....	1913	5,157,421	548,272,978	.....
1899	2,099,572	109,208,748	.....	1914	5,593,725	494,820,669	.....
1900	1,896,513	219,934,472	.....	1915	6,231,575	575,170,302	.....
1901	1,825,826	246,567,247	.....	1916	3,716,753	416,453,407	.....
1902	1,799,977	260,837,354	.....	1917	3,651,393	594,888,670	5,561
1903	3,552,717	447,910,707	.....	1918	3,829,218	517,330,538	2,440
1904	4,517,019	544,834,044	.....	1919	4,081,294	862,603,653	2,100
1905	2,138,161	521,848,847	.....	1920	10,609,583.5	999,271,795	2,079
1905 [2]	2,320,803	515,073,828	.....	1921	13,621,173	725,971,987	4,214

[1] All the foreign and coastwise commerce shown for Galveston Channel, Port Bolivar Channel, Texas City Channel, and the Houston Ship Channel passes through this entrance, and is totaled as above.
[2] Calendar year.
[3] No statistics available.

[Season of navigation: Entire year.]

GALVESTON CHANNEL, TEX.

(Port of Galveston, Tex.)

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1910	2,513,085	$378,140,059	.....	1916	3,010,241	$359,446,829	.....
1911	3,111,884	371,756,124	.....	1917	2,965,937	562,776,884	5,561
1912	3,224,367	440,194,284	.....	1918	3,277,782	480,870,984	2,076
1913	4,455,068	489,022,813	.....	1919	3,126,957	757,739,178	2,100
1914	5,019,794	451,985,152	.....	1920	[1] 8,002,981	839,101,811	[2] 34,199
1915	5,336,889	510,744,587	.....	1921	[3] 8,900,553	585,756,221	[4] 29,822

[1] Exclusive of 446,652 tons car ferry traffic, valued at $50,899,168, between Port Bolivar and Galveston.
[2] Include, 32,120 passengers carried in car ferry traffic between Galveston and Port Bolivar, Tex.
[3] Exclusive of 696,717 tons cargo in transit, valued at $120,116,524, and 371,350 tons car ferry traffic valued at $22,799,760, between Port Bolivar and Galveston.
[4] Includes 25,608 passengers carried in car ferry traffic between Galveston and Port Bolivar, Tex.

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GALVESTON CHANNEL, TEX.—continued.

[Navigation season: Entire year.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products		4,845		$210,777
Bones, horns, etc	2,386		$64,722	
Bone dust	1,501		58,576	
Bone meal	676		24,152	
Cattle	175		21,000	
Feathers	1		2,911	
Fish (dried)	80		15,962	
Leather manufactures	26		23,454	
Vegetable food products		198,106		23,759,428
Bananas	6,652		259,428	
Bread, cake, etc	14		1,140	
Beans, vegetables, etc	1		100	
Coffee	9,362		2,527,740	
Cocoanuts, etc	18		3,650	
Flour (wheat)	32		4,516	
Fruits	12		1,997	
Oil, linseed	150		45,000	
Oil, olive	3		3,033	
Pickles	2		949	
Pepper	10		20,000	
Sugar, cane	181,323		20,852,145	
Sugar, raw	516		26,730	
Wine	17		13,000	
Other vegetable products		222		139,285
Hops	31		28,125	
Pitch	8		560	
Seeds	182		109,200	
Rice powder	1		1,400	
Textiles		5,467		2,482,293
Bags and bagging	4,995		2,247,750	
Cotton lace	2		2,403	
Cotton manufactures	17		52,526	
Camels hair	2		4,110	
Fiber manufactures	50		19,280	
Hats	19		9,402	
Hair, human, raw	62		24,916	
Jute	155		19,040	
Linoleum	75		3,033	
Rugs, carpets, etc	6		6,012	
Rags	24		2,526	
Silk, and silk manufactures	4		46,129	
Twine	19		7,714	
Wool, and wool manufactures	37		37,152	
Wood and paper		4,314.5		941,424
Books	13		13,851	
Baskets	1.5		1,411	
Chincona bark	32		25,000	
Furniture	59		11,833	
Logs and round timber	24		799	
Matches	37		7,489	
Newsprint	1,124		134,880	
Paper manufactures	2,866		716,500	
Straw cases	50		18,220	
Wood manufactures	108		10,831	
Nonmetallic minerals		3,646,436		39,728,163
Benzine, gasoline, etc	2		118	
Chinaware and earthenware	87		13,969	
Clay	2,340		28,094	
Coal	29		585	
Fullers earth	1,937		27,098	
Glass, polished	239		56,226	
Glass manufactures	270		43,428	
Mineral water	40		3,801	
Oil, crude	3,585,928		35,859,280	
Oil, refined	2,205		94,815	
Oil, creosote	53,337		3,600,948	
Plumbago	22		801	
Ores, metals, and manufactures		1,612		216,438
Aluminum	2		1,726	
Bronze and brass manufactures	1		886	
Cobalt	1.5		75	

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GALVESTON CHANNEL, TEX.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Ores, metals, and manufactures—Continued.				
Cotton ties	762		$76,200	
Enamelware	1.5		1,080	
Gold, silver, and jewelry			140,710	
Hardware	9		2,853	
Iron and steel manufactures	651		65,178	
Metal manufactures	3.5		1,100	
Steel angles and bars	143		14,643	
Steel sheaves	11		6,647	
Tin plate	25		4,457	
Wire rope	1.5		1,048	
Machinery and vehicles		222		$68,511
Automobiles	3		1,128	
Cream separators	17		5,198	
Electrical apparatus	20		7,563	
Miscellaneous machinery	182		54,622	
Chemicals		415		76,278
Acids	46		9,359	
Arsenic	272		51,776	
Chemicals, miscellaneous	5		5,000	
Perfumery	1½		3,278	
Soda, n. e. s.	90½		6,865	
Unclassified		438		521,840
Art works			13,631	
Beads	5		9,696	
Currency			336,431	
Effects, personal	119		46,657	
Effects, household	30		9,201	
Musical instruments	3		2,737	
Toys and dolls	26		26,512	
United States returned articles	72		21,799	
Miscellaneous	183		55,176	
Total imports		3,862,077.5		68,244,432
EXPORTS.				
Animal and animal products		573		126,316
Animals	363		22,282	
Butter	4		4,704	
Hams	5		4,345	
Hides	26		9,000	
Lard	52		12,875	
Lard oil	8		2,334	
Leather manufactures	49		46,700	
Oil, animal	66		24,076	
Vegetable food products		2,808,768		140,844,104
Barley	627		23,150	
Bread, miscellaneous	34		13,734	
Buckwheat	260		15,680	
Cereals, miscellaneous	31		8,803	
Coffee	21		10,839	
Cottonseed cake	119,721		4,429,677	
Cottonseed meal	39,696		1,468,752	
Flour, wheat	40,623		1,787,412	
Fruits, dried	14		2,255	
Fruits, preserved	25		10,399	
Glucose	234		9,480	
Oats	414		17,743	
Oil, cottonseed	146		4,672	
Oil, linseed	18		4,686	
Oil, vegetable	14		6,165	
Onions	211		6,330	
Rye	30,492		1,860,012	
Sugar	217		36,457	
Sirup	16		2,730	
Vegetables, canned	26		7,800	
Wheat	2,570,928		131,117,328	
Other vegetable products		223		54,852
Broom corn	179		27,982	
Rubber manufactures	43		25,643	
Tobacco manufactures	1		1,227	

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GALVESTON CHANNEL, TEX.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Textiles		745,555		$231,087,335
Cotton	738,333		$230,359,896	
Cotton linters	4,100		266,577	
Cotton manufactures	54		54,015	
Fiber bags and manufactures	368		20,053	
Hair, and manufactures of	2		1,737	
Ixtle	2,642		325,072	
Mill waste	7		2,006	
Oakum	1		19,663	
Silk manufactures	1		2,027	
Sisal	12		812	
Wool manufactures	35		35,447	
Wood and paper		25,313		729,837
Lumber, cypress	156		5,397	
Lumber, gum	46		1,173	
Lumber, hardwood	583		54,519	
Lumber, oak	116		10,379	
Lumber, pine	21,527		495,121	
Lumber, softwood	627		7,837	
Paper manufactures	84		21,000	
Roofing felt	172		12,040	
Staves	1,377		59,871	
Wood manufactures	625		62,500	
Nonmetallic minerals		88,845		1,814,536
Asphaltum manufactures	390		11,303	
Brick	46		1,058	
Cement	89		1,691	
Chinaware	50		8,155	
Gasoline	201		12,901	
Grease (lubricating)	300		30,000	
Oil, crude	13,295		132,950	
Oil, fuel	43,173		690,768	
Oil, illuminating	1,958		87,128	
Oil, lubricating	9,349		504,846	
Oil, paraffin	94		9,550	
Oil, volatile	28		2,227	
Paraffin	311		41,674	
Residuum	8,317		122,859	
Sulphur	11,244		157,416	
Ores, metals, and manufactures		8,656.5		1,425,782
Aluminum manufactures	.5		216	
Boiler tubes	44		9,460	
Brass and manufactures of	30		12,046	
Car wheels	84		8,382	
Copper, refined	1,290		318,890	
Copper manufactures	13		6,510	
Enamel ware	2		1,249	
Furniture, metal	31		4,384	
Hardware	69		20,700	
Iron and steel bars and sheets	935		107,525	
Lead, pig	607		77,696	
Pipe, cast and wrought	3,492		506,340	
Steel manufactures, miscellaneous	379		75,800	
Steel, structural	634		95,100	
Stoves	63		12,600	
Tin, pig	17		9,570	
Tin plate	394		70,920	
Tools	163		48,758	
Wire manufactures, miscellaneous	150		13,200	
Zinc, spelter	259		26,436	
Machinery and vehicles		1,010.5		296,860
Agricultural implements	308		76,695	
Automobiles and parts	6.5		6,500	
Boilers	117		35,100	
Electrical supplies	123		36,692	
Lathes	8		2,565	
Machinery, mining	187		55,009	
Machinery, metal-working	40		12,114	
Machinery, oil well	77		23,100	
Machinery, refrigerating	24		7,143	
Machinery, steam	55		16,500	
Machinery, sugar-mill	29		8,850	
Pumps	3		900	
Vehicles	33		15,692	

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GALVESTON CHANNEL, TEX.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Chemicals		400		$73,020
Chemicals, miscellaneous	3		$3,000	
Paints	11		4,400	
Soap	386		65,620	
Unclassified		144.5		195,950
Household goods	89.5		32,668	
Instruments, scientific	1		1,369	
Miscellaneous	54		161,913	
Total exports		3,674,488.5		376,648,582
Total imports and exports		7,536,566		444,893,014

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products			1,323		$332,107
Animals		251		$50,953	
Fish, dried		548		164,400	
Fish, fresh		459		91,800	
Hides and pelts		49		16,954	
Packing-house products		16		8,000	
Vegetable food products			43,352		11,012,028
Agricultural products, n. e. s.		70		4,200	
Beans, dried		17		2,720	
Canned goods		17,767		3,553,400	
Confectionery		89		89,000	
Coffee		6,060		3,120,900	
Flour and meal		184		14,720	
Fruits, miscellaneous		2,400		480,000	
Groceries		2,676		802,800	
Hay and straw		11		158	
Honey and beeswax		23		38,800	
Nuts		1,437		718,500	
Oil, vegetable		173		77,850	
Onions		99		7,920	
Potatoes		4,423		199,035	
Sugar		2,762		317,630	
Sirup and glucose		183		31,476	
Vegetables, dried		3,855		1,156,500	
Vinegar and cider		1,123		396,419	
Other vegetable products			580		344,087
Cotton seed and products		17		629	
Rubber and manufactures		257		154,200	
Seeds		22		13,288	
Starch		162		22,680	
Tar, pitch, etc		47		3,290	
Tobacco		75		150,000	
Textiles			35,056		18,904,041
Bags and bagging		15,872		2,031,616	
Carpets and rugs		63		63,000	
Cordage		1,329		465,150	
Dry goods		15,594		15,594,000	
Fibers		64		25,600	
Linoleum		1,122		204,675	
Rope		700		238,000	
Twine		50		20,000	
Wool and mohair		262		262,000	
Wood and paper			26,065		3,605,885
Books and paper		3,633		995,442	
Building paper		607		42,490	
Cooperage, staves, etc		71		3,053	

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GALVESTON CHANNEL, TEX.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE—continued.					
Wood and paper—Continued.					
Furniture		2,379		$475,800	
Forest products, n. o. s.		13		1,300	
Lumber and manufactures		50		2,500	
Newsprint		15,147		1,273,348	
Roofing, prepared		1,652		249,452	
Wall paper		322		128,800	
Woodenware		45		4,500	
Wrapping and tissue paper		2,146		429,200	
Nonmetallic minerals			344,259		$3,571,773
Asphaltum		81		1,377	
Brick and fire clay		161		3,703	
Cement		1,641		31,179	
Crockery		43		6,880	
Glassware		400		64,000	
Lime		12		168	
Oil, mineral, crude	339,601			3,396,010	
Plaster		48		960	
Roofing material		27		1,890	
Sand and gravel	41			41	
Stone and marble		2,167		65,010	
Tile		37		555	
Ores, metals and manufactures of			43,166		5,834,376
Armor plate		6,729		645,984	
Brass, copper, etc.		760		304,000	
Bolts, nuts, etc.		900		138,600	
Castings		2,214		265,680	
Hardware		972		291,600	
Iron, bar and hoop		7,622		762,200	
Iron and steel manufactures, n. o. s.		5,010		501,000	
Junk	177			4,602	
Lead and zinc		61		7,808	
Mineral products, n. o. s.		365		146,000	
Nails and wire		3,993		794,608	
Ores, n. o. s.		50		15,950	
Pipe		2,152		316,344	
Plumbers' material		180		54,000	
Railway material		6,668		1,000,200	
Scales		82		24,600	
Steam heating apparatus		118		35,400	
Structural steel		4,929		492,900	
Stoves		79		15,800	
Tin plate and tinware		95		17,100	
Machinery and vehicles			8,935		2,199,500
Agricultural implements		554		138,500	
Autos		46		46,000	
Batteries		593		200,000	
Machinery, electric		2,059		617,700	
Machinery, miscellaneous		3,133		939,900	
Railway rolling stock		2,538		253,800	
Trucks		12		3,600	
Chemicals			26,192		7,234,988
Ammunition		2,324		1,859,200	
Chemicals, miscellaneous		1,474		1,474,000	
Dips and sprays		324		129,500	
Explosives		12		9,600	
Liquors		91		69,524	
Paints and varnish		3,972		1,588,800	
Soap		9,958		1,493,400	
Soda, n. o. s.		8,039		610,864	
Unclassified			6,913		2,238,400
General merchandise		161		48,300	
Household effects		12		3,600	
Manufactured products, miscellaneous		3,740		1,122,000	
Musical instruments		235		235,000	
Miscellaneous		2,765		829,500	
Total receipts	339,819	196,012	535,831		55,277,185
SHIPMENTS, COASTWISE.					
Animals and animal products			2,566		778,346
Animals and fish		193		39,179	
Eggs		19		6,669	
Hides and pelts		1,309		453,014	
Lard		972		240,084	
Leather and manufactures		29		17,400	
Packing-house products		44		22,000	

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GALVESTON CHANNEL, TEX.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS, COASTWISE—continued.					
Vegetable food products			66,551		$6,210,272
Agricultural products, n. o. s.		719		$43,140	
Beans, dried		11,892		1,391,364	
Canned goods		361		72,200	
Corn		403		9,672	
Deciduous fruits		21		3,360	
Flour and meal		6,201		496,080	
Fruits, dried		10,062		1,609,920	
Hay and straw		66		924	
Maize		179		5,400	
Nuts		292		146,000	
Onions		11,930		954,400	
Rice		24,244		1,430,396	
Sirup and glucose		53		9,016	
Vegetables, dried		128		38,400	
Other vegetable products			6,159		561,747
Broom corn		19		2,660	
Cotton seed and products		1,415		52,355	
Hops		146		85,410	
Rosin		1,360		81,600	
Rubber and manufactures		43		25,800	
Seeds		18		10,872	
Tar and pitch		3,115		217,050	
Tobacco		43		86,000	
Textiles			95,848		40,614,767
Bags and bagging		15		1,920	
Canvas		102		20,400	
Carpets and rugs		15		15,000	
Cotton and linters		72,235		21,070,138	
Dry goods		775		775,000	
Fibers		3,451		690,200	
Ixtle and sisal		1,383		170,109	
Wool and mohair		17,872		17,872,000	
Wood and paper			29,282		1,535,666
Building paper		18		1,260	
Forest products, n. o. s.		892		89,200	
Lumber	4,975			114,425	
Lumber manufactures		22,314		1,115,700	
Roofing, prepared		31		4,681	
Wrapping and tissue paper		869		173,800	
Furniture		183		36,600	
Nonmetallic minerals			221,022		2,541,403
Asphaltum		108		1,836	
Cement		330		6,270	
Glass and manufactures		18		594	
Crockery		601		96,160	
Oil, mineral	651			16,275	
Plaster		5,054		101,080	
Salt		259		25,900	
Sand and gravel	28			28	
Stone, miscellaneous		36		1,080	
Sulphur, crude	213,937			2,292,180	
Ores, metals and manufactures of			78,612		30,482,716
Copper bullion		70,743		28,297,200	
Iron and steel manufactures		17		1,632	
Junk	214			5,564	
Lead and zinc		1,835		234,880	
Mineral products, miscellaneous		1,143		457,200	
Nails and wire		16		3,184	
Ores, miscellaneous	4,624			1,475,056	
Tinware		20		8,000	
Machinery and vehicles			126		67,900
Autos		37		37,000	
Machinery, electric		23		6,900	
Machinery, miscellaneous		60		18,000	
Motor cycles		6		6,000	
Chemicals			1,648		797,552
Alcohol and liquors		318		242,952	
Chemicals, miscellaneous		54		54,000	
Explosives		8		6,400	
Paints and varnish		1,216		486,400	
Soap		52		7,800	

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GALVESTON CHANNEL, TEX.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS, COASTWISE—continued.					
Unclassified			4,048		$1,221,400
General merchandise		3,816		$1,144,800	
Household effects		24		7,200	
Miscellaneous products		198		59,400	
Musical instruments		10		10,000	
Total shipments	224,429	281,433	505,862		84,811,769
Total receipts and shipments	564,248	477,445	1,041,693		140,088,954
INTERNAL TRAFFIC.					
Animals and animal products			242,038		269,344
Fish, fresh		114		22,800	
Mud shell	241,504			241,504	
Oysters		420		5,040	
Nonmetallic minerals			80,256		504,909
Oil, mineral, crude	26,183			261,830	
Oil, refined		4,933		212,119	
Sharp sand	49,140			30,960	
Total internal	316,827	5,467	322,294		774,253

CARGOES IN TRANSIT.

Commodities.	Short tons.	Value.	Commodities.	Short tons.	Value.
Autos	4	$4,000	Lumber	10,749	$365,466
Asphalt	36	1,612	Lubricating oil	1,843	99,522
Animal oil and grease	38	1,368	Lead	350	44,800
Ammonia sulphate	2,415	22,880	Lard	5,669	1,400,243
Broom root	143	42,900	Machinery	2,862	858,600
Broom corn	10	2,309	Newsprint	987	118,440
Books	1	1,000	Nuts	124	62,000
Copper	900	363,600	Phosphate rock	78,038	536,298
Copper pigs	1,009	323,104	Paraffin wax	169	22,646
Cedar logs	120	11,160	Rice	25,985	1,733,115
Coffee	2,824	1,454,360	Rosin	25	1,850
Cotton seed	261	6,264	Rubber manufactures	123	70,725
Cotton	211,384	77,220,112	Sisal	929	62,243
Corn	8,873	212,952	Sugar	893	102,695
Cottonseed meal	32,235	1,192,695	Spelter	1,500	241,500
Cottonseed cake	13,588	502,756	Soap	778	132,260
Crude oil	64	640	Sirup	121	20,812
Cottonseed oil	14	448	Sulphur	29,347	410,858
Cigarettes	1,003	2,006,000	Steel plates	12,545	1,129,050
Creosote	2,000	135,000	Steel rails	2,572	306,064
Flour	4,605	202,620	Seed	755	395,620
Fuel oil	208	3,328	Tobacco	1,282	206,861
Gasoline	752	46,624	Wheat	171,844	8,764,044
Honey	322	515,200	Miscellaneous	62,013	18,603,900
Ixtle	576	70,848			
Kerosene	1,829	84,134	Total	696,717	120,116,524

RAILROAD CAR-FERRY TRAFFIC.

(Galveston to Port Bolivar.)

Commodities.	Short tons.	Value.	Commodities.	Short tons.	Value.
Autos	170	$90,000	Machinery	120	$36,000
Cotton	25,000	7,950,000	Merchandise	4,190	1,257,000
Cotton seed	510	12,240	Mud shell	18,000	12,600
Creosote	2,640	75,000	Miscellaneous	28,850	7,155,000
Gasoline	6,680	414,160	Rice	14,800	873,200
Flour and bran	4,860	233,000	Rosin	8,500	510,000
Fuel oil	114,000	1,140,000	Wood, fire	980	5,000
Hay and feed	290	5,000	Wheat	3,560	181,560
Live stock	2,500	450,000			
Lumber	140,700	2,400,000	Total	371,350	22,799,760

In addition to the above, 4,620 empty cars were transferred on the car ferry during he year. Total cars moved, loaded and empty, 11,864.

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GALVESTON CHANNEL, TEX.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Internal.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	4,845	$210,777	573	$126,316	3,889	$1,110,453	242,038	$269,344	251,345	$1,716,890
Vegetable food products	198,106	23,759,428	2,803,768	140,844,104	109,903	17,222,300	.....	.....	3,111,777	181,825,832
Other vegetable products	222	139,285	223	54,852	6,739	905,834	.....	.....	7,184	1,099,971
Textiles	5,467	2,482,293	745,555	231,087,335	130,904	59,518,808	.....	.....	881,926	293,088,436
Wood and paper	4,314.5	941,424	25,313	729,837	55,347	5,141,551	.....	.....	84,974.5	6,812,812
Nonmetallic minerals	3,646,436	39,728,163	88,845	1,814,526	565,281	6,113,176	80,256	504,909	4,380,818	48,160,774
Ores, metals and manufactures of	1,612	316,433	8,656.5	1,425,782	121,768	36,317,092	.....	.....	132,036.5	38,059,307
Machinery and vehicles	222	68,511	1,010.5	296,860	9,061	2,267,400	.....	.....	10,293.5	2,632,771
Chemicals	415	76,278	400	73,020	27,840	8,032,540	.....	.....	28,655	8,181,838
Unclassified	438	521,840	144.5	195,950	10,961	3,459,800	.....	.....	11,543.5	4,177,590
Total	3,862,077.5	68,244,432	3,674,488.5	376,648,582	1,041,693	140,088,954	322,294	774,253	8,900,553	585,756,221
Cargoes in transit	.....	.....	.....	.....	.....	.....	.....	.....	696,717	120,116,524

Car ferry traffic, short tons, 371,350; value, $22,799,760.

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GALVESTON CHANNEL, TEX.—continued.

Vessel classification, 1921.

Classes.	Number	Tonnage.	Average draft loaded.
			Feet.
American vessels entered foreign:			
Steam	421	1,138,497	27½
Sail	5	2,391	20½
Foreign vessels entered foreign:			
Steam	415	1,171,302	27½
Sail	3	1,267	20½
Total	844	2,313,457	.....
American vessels cleared foreign:			
Steam	413	1,204,658	25½
Sail	8	4,790	20½
Foreign vessels cleared foreign:			
Steam	600	1,733,754	25½
Sail	5	2,016	20½
Total	1,026	2,945,218	.....
American vessels entered coastwise: Steam	188	564,000	20
Foreign vessels entered coastwise:			
Steam	208	660,440	20
Sail	42	2,520	15
Total	438	1,226,960	.....
American vessels cleared coastwise: Steam	190	570,000	20
Foreign vessels cleared coastwise:			
Steam	23	63,473	20
Sail	43	25,801	15
Total	256	659,274	.....
Grand total	2,564	7,144,909	.....
INTERNAL TRAFFIC.			
Tugs	[1] 9	50	5-9½
Barges	[1] 19	125	6-8
Total	28	175	.....

[1] Approximate number of large tugs and barges engaged in moving oil, shell and sand. The number of small launches and sail boats engaged in the fish and oyster business was not determined.

CHANNEL FROM GALVESTON HARBOR TO TEXAS CITY, TEX.

TEXAS CITY, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1906	58,258	$3,697,757	1914	301,106	$32,020,182
1907	77,464	6,867,773	1915	309,789	41,468,434
1908	155,999	21,605,526	1916	265,133	43,531,850
1909	179,999	34,138,444	1917	262,279	15,578,985
1910	385,740	47,843,195	1918	376,966	20,307,786
1911	449,687	51,524,261	1919	501,752	41,036,030
1912	464,237	63,000,436	1920	2,369,367	79,285,160
1913	446,228	52,794,347	1921	[1] 3,661,049	68,006,027

[1] Exclusive of 11,289 tons cargo in transit, valued at $562,585 and 219,204 tons fuel oil valued at $2,821,156 furnished vessels for fuel.

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CHANNEL FROM GALVESTON HARBOR TO TEXAS CITY, TEX.—continued.

[Navigation season: Entire year.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Textiles: Sisal	913	913	$93,380	$93,380
Nonmetallic minerals		423,020		4,263,852
Oil, crude	425,785		4,257,850	
Sand, ballast	7,235		6,002	
Chemicals: Soda, caustic	57	57	3,705	3,705
Total	433,990	433,990		4,360,937
EXPORTS.				
Animals and animal products: Cattle	297	297	63,070	63,070
Vegetable food products		457,943		24,876,261
Corn	33,700		842,512	
Feed, stock	231		5,775	
Flour	25		1,100	
Groceries	57		6,840	
Hay	234		4,680	
Rice	220		12,980	
Rye	1,680		102,480	
Wheat	421,736		23,896,394	
Seed, cotton	60		1,500	
Textiles: Cotton	3,300	3,300	1,216,699	1,216,699
Wood and paper		15,689		419,825
Barrels	54		1,750	
Knockdown houses	13		400	
Knockdown wagons	18		400	
Lumber, pine	15,206		393,960	
Paper, roofing	44		1,760	
Shingles	38		990	
Shooks, box	316		20,565	
Nonmetallic minerals		253,194		3,901,636
Asbestos products	52		10,400	
Coke	20		500	
Brick, fire	639		16,800	
Cement	97		2,040	
Grease	198		19,800	
Lime	15		240	
Oil, lubricating	1,086		79,880	
Oil, crude	146,530		1,885,858	
Sulphur	104,526		1,881,468	
Wax	31		4,650	
Ores, metals, and manufactures of		1,297		156,440
Boiler tubes	18		3,600	
Building steel	134		18,760	
Galvanized drums	24		4,320	
Iron pipe	477		39,760	
Iron tanks	40		1,500	
Iron wire	10		5,000	
Lead	10		1,000	
Nails	20		2,400	
Pipe fittings	105		13,750	
Rivets	13		1,300	
Steel plates	30		1,500	
Steel shafting	23		4,600	
Stoves, oil	22		3,300	
Tin plates	371		55,650	
Machinery and vehicles		235		69,700
Autos	3		4,500	
Boats, motor	3		500	
Heat exchangers	54		5,400	
Machinery, miscellaneous	126		37,800	
Pumps	12		18,000	
Steel boilers	7		2,000	
Tractors	30		1,500	
Chemicals		11		3,316
Acid, muriatic	3		116	
Paint	8		3,200	
Unclassified: Miscellaneous	1,008	1,008	151,200	151,200
Total		732,974		30,858,147
Total imports and exports		1,166,964		35,219,084

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CHANNEL FROM GALVESTON HARBOR TO TEXAS CITY, TEX.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons.			Value.	
	By commodities.		By classes.	By commodities.	By classes.
	Bulk.	Package.			
RECEIPTS, COASTWISE.					
Wood and paper: Shingles		221	221	$18,921	$18,921
Nonmetallic minerals			71,828		990,812
Oil, crude	70,398			906,032	
Oil, lubricating		1,430		84,780	
Total	70,398	1,651	72,049		1,009,733
SHIPMENTS, COASTWISE.					
Textiles: Sisal		1,313	1,313	141,120	141,120
Nonmetallic minerals			2,413,665		31,630,716
Oil crude	2,303,175			29,641,896	
Sulphur	110,490			1,988,820	
Total	2,413,665	1,313	2,414,978		31,771,836
Total receipts and shipments, coastwise	2,484,063	2,964	2,487,027		32,781,569
INTERNAL FREIGHT TRAFFIC.					
Animals and animal products: Mud shell	7,058		7,058	5,374	5,374

CARGOES IN TRANSIT.

Commodities.	Amount in short tons.	Value.
Oil, Diesel	1,403	$73,684
Sulphur	8,753	149,001
Miscellaneous	1,133	339,900
Total	11,289	562,585

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CHANNEL FROM GALVESTON HARBOR TO TEXAS CITY, TEX.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Internal.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			297	$63,070			7,058	$5,374	7,355	$68,444
Vegetable food products			457,943	24,876,261					457,943	24,876,261
Textiles	913	$93,380	3,300	1,216,699	1,313	$141,120			5,526	1,451,199
Wood and paper			15,689	419,825	221	18,921			15,910	438,746
Nonmetallic minerals	433,020	4,263,852	253,194	3,901,636	2,485,493	32,621,528			3,171,707	40,787,016
Ores, metals and manufactures of			1,297	156,440					1,297	156,440
Machinery and vehicles			235	69,700					235	69,700
Chemicals	57	3,705	11	3,316					68	7,021
Unclassified			1,008	151,200					1,008	151,200
Total	433,990	4,360,937	732,974	30,858,147	2,487,027	32,781,569	7,058	5,374	3,661,049	68,006,027
Cargoes in transit									11,289	562,585

In addition to the above, United States Shipping Board vessels received 219,204 tons of fuel oil valued at $2,821,156 in their bunkers at the Texas City wharves.

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CHANNEL FROM GALVESTON HARBOR TO TEXAS CITY, TEX.—continued.

Vessel classification, 1921.

Classes.	Arrivals and departures.		Total.	Net registered. tonnage.	Average draft, loaded (in feet).
	American.	Foreign.			
Registered:					
Steamers	399	123	522	1,951,987	27
Sailing	9	.....	9	5,703	.....
Unregistered: Barges	144	.....	144	.....	.....
Total	552	123	675	1,957,690	.....

All the above statistics were furnished by the Texas City Terminal Co., which owns the wharves and terminals.

The above classification computed on following basis: Vessels counted only once when arriving light and departing with cargo or when arriving with cargo and departing light; counted twice when arriving and departing with cargo.

Tugs handling the above vessels not counted, but moved through channel when handling same. Record not available account not being kept.

Launches handling supplies, etc., to vessels not counted, but used the channel. Record not available account not being kept.

CHANNEL TO PORT BOLIVAR, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Car-ferry traffic.		
			Tons.	Value.	Passengers.
1908	50,000	$5,578,705	.....	.....	.....
1909	81,891	6,444,318	.....	.....	.....
1910	180,666	6,964,531	.....	.....	.....
1911	231,702	3,736,000	.....	.....	.....
1912	428,495	5,987,530	.....	.....	.....
1913	256,105	6,455,818	.....	.....	.....
1914	267,640	10,752,535	.....	.....	.....
1915	182,450	7,559,765	.....	.....	.....
1916	[1] 63,787	1,607,175	110,119	$6,403,631	.....
1917	[1] 19,996	329,432	89,231	9,064,511	.....
1918	[1] 12,325	246,804	88,740	8,180,115	.....
1919	[1] 5,900	239,500	215,660	25,553,550	.....
1920	[1] 16,378	675,120	446,652	50,899,168	32,120
1921	[2] 1,400	23,800	371,350	22,799,760	25,608

[1] Imports, exports and coastwise only.
[2] Exports only.

Figures for 1908 to 1915, inclusive, do not show car-ferry traffic separately.

[Navigation season: Entire year.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Wood and paper: Lumber	1,400	1,400	$23,800	$23,800

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CHANNEL TO PORT BOLIVAR, TEX.—continued.

RAILROAD CAR-FERRY TRAFFIC.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Autos	170	$90,000	Machinery	120	$36,000
Cotton	25,000	7,950,000	Merchandise	4,190	1,257,000
Cotton seed	510	12,240	Mud shell	18,000	12,600
Creosote	2,640	75,000	Miscellaneous	23,850	7,155,000
Gasoline	6,680	414,160	Rice	14,800	873,200
Flour and bran	4,860	238,000	Rosin	8,500	510,000
Fuel oil	114,000	1,140,000	Wood, fire	980	5,000
Hay and feed	290	5,000	Wheat	3,560	181,560
Live stock	2,500	450,000			
Lumber	140,700	2,400,000	Total	371,350	22,799,760

In addition to the above 4,620 empty cars were transferred on the car ferry during the year. Total cars moved loaded and empty, 11,864.

Vessel classification, 1921.

Classes.	American vessels cleared foreign.	Car-ferry traffic, arrivals and departures.	Total.	Net registered tonnage.	Average draft, loaded (in feet).
Sail	6		6		18
Barges		1,095	1,095	516,840	7
Tugs		1,095	1,095	96,360	10.5
Total	6	2,190	2,196	613,200	

Passengers carried, 25,608.

The Port Bolivar car ferry makes two regular trips a day between Galveston and Port Bolivar with passenger trains, and averages one round trip a day with freight tonnage.

The above statistics were obtained from the foreign freight agent of the Gulf, Colorado & Santa Fe Railway Co., who handles the business of this port.

Draft of transfer barge, 7 feet, loaded. Draft of tug *Terry* handling the barge, 10½ feet.

HOUSTON SHIP CHANNEL, TEX.

HOUSTON, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1905	104,907	$12,544,323		1914	1,070,700	$24,382,700	
1906	132,108	(1)		1915	1,656,347	31,406,916	
1907	452,463	24,466,730		1916	1,294,309	32,174,971	
1908	602,734	28,318,621		1917	1,161,424	35,530,279	
1909	1,214,904	36,097,560		1918	2,388,066	116,332,138	365
1910	1,371,650	39,155,357		1919	1,287,972	85,034,834	
1911	1,354,897	34,721,530		1920	1,210,204	102,068,452	43,100
1912	1,365,050	35,938,800		1921	[2] 2,828,460	78,619,629	31,866
1913	1,860,452	38,738,464					

[1] No statistics available.
[2] Exclusive of 33,047 tons cargo in transit, valued at $4,430,988.

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HOUSTON SHIP CHANNEL, TEX.—continued.

[Navigation season: Entire year.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products: Bones	2,330	2,330	$62,910	$62,910
Vegetable food products		10,425		516,502
Bananas	3,985		143,460	
Coffee	724		196,928	
Molasses	2,633		15,798	
Sugar	3,083		160,316	
Textiles: Ixtle	7,752	7,752	1,230,740	1,230,740
Wood and paper: Chincona bark	9	9	1,656	1,656
Nonmetallic minerals: Oil, crude	206,738	206,738	2,067,380	2,067,380
Total		227,254		3,879,188
EXPORTS.				
Animals and animal products: Packing-house products	193	193	96,500	96,500
Vegetable food products		54,250		3,200,189
Bran	328		9,840	
Canned goods	7		2,100	
Corn	552		13,248	
Cottonseed oil cake	1,606		59,422	
Cottonseed oil	19		2,100	
Cottonseed meal	3,553		273,581	
Flour	647		28,468	
Groceries	19		5,700	
Onions	11		330	
Rice	47,508		2,805,400	
Textiles: Cotton	119,192	119,192	38,285,736	38,285,736
Wood and paper		562		124,540
Furniture	28		5,800	
Lumber	28		840	
Roofing material	149		10,800	
Portable houses	357		107,100	
Nonmetallic minerals		132,531		3,378,485
Brick	48		1,050	
Cement	184		3,680	
Coal	445		6,320	
Oil, crude	50,958		509,403	
Oil, lubricating	46,424		1,996,232	
Oil, gas (partly refined)	34,472		861,800	
Ores, metals, and manufactures of		2,862		394,010
Hardware	38		11,500	
Iron and steel articles	2,532		325,310	
Steel tanks (knockdown)	236		23,600	
Wire rope	56		33,600	
Machinery and vehicles		5,513		1,503,925
Autos	248		144,200	
Machinery	388		116,400	
Oil-well supplies	4,877		1,243,325	
Chemicals		168		23,950
Acids	10		2,750	
Fertilizer	100		2,000	
Soap	16		2,400	
Paints	42		16,800	
Unclassified: Miscellaneous	489	489	146,700	146,700
Total	315,760		47,154,035	
Total imports and exports	543,014		51,033,223	

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HOUSTON SHIP CHANNEL, TEX.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products: Leather		122	122	$40,900	$40,900
Vegetable food products			6,373		1,082,597
Beans		105		12,350	
Canned goods		731		56,287	
Coffee		38		11,400	
Groceries		2,064		619,200	
Peanuts		245		24,000	
Sugar		3,096		356,040	
Vinegar		94		3,320	
Other vegetable products			383		356,100
Cigars		295		268,100	
Drugs		88		88,000	
Textiles			2,636		819,000
Bagging		1,328		170,800	
Clothing		138		422,000	
Cordage		22		7,450	
Linoleum		1,148		218,750	
Wood and paper			2,636		495,292
Furniture		53		16,050	
Paper and manufactures		1,096		300,500	
Magazines		73		7,300	
Roofing material		971		146,700	
Shingles		443		24,742	
Nonmetallic minerals			139,788		1,319,333
Cement		507		10,140	
Coal	2,659			23,868	
Gasoline	9,973			498,650	
Lime		576		11,185	
Oil, crude	125,791			755,650	
Oil, lubricating		282		19,840	
Ores, metals, and manufactures of			44,662		4,483,275
Agricultural implements		995		248,750	
Ammunition		162		72,650	
Hardware		1,690		500,800	
Iron and steel manufactures		10,887		1,046,320	
Pipe		2,151		155,940	
Plumbing material		384		125,300	
Nails and staples		12,641		1,003,280	
Rope, steel wire		1,826		364,550	
Rails, steel		4,225		179,475	
Steel billets		28		5,600	
Wire fencing		9,673		780,610	
Machinery and vehicles			2,781		1,440,700
Machinery		1,755		462,200	
Storage batteries		1,026		978,500	
Chemicals			2,769		322,400
Paints and oils		926		185,200	
Soda, lye, and potash		1,843		137,200	
Unclassified			4,776		2,286,500
Merchandise		1,151		549,500	
Musical instruments		952		678,800	
Miscellaneous		2,673		1,058,200	
Total	138,423	68,503	206,926		12,646,097
SHIPMENTS, COASTWISE.					
Nonmetallic minerals			637,583		9,286,246
Gasoline	19,501			975,050	
Oil, fuel	496,306			2,977,836	
Oil, gas	49,330			986,600	
Oil, lubricating		72,446		4,346,760	
Total	565,137	72,446	637,583		9,286,246
Total receipts and shipments, coastwise	703,560	140,949	844,509		21,932,343

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HOUSTON SHIP CHANNEL, TEX.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL TRAFFIC, UPPER CHANNEL ABOVE TURNING BASIN.[1]					
Animals and animal products: Mud shell	56,644		56,644	$56,644	$56,644
Vegetable food products			2,318		370,600
Garden truck and fruit		252		10,080	
Groceries		1,048		314,400	
Hay and feed		595		17,850	
Mineral water		67		3,350	
Rice		356		24,920	
Wood and paper			481		66,588
Lumber and shingles		340		10,188	
Pianos and furniture		141		56,400	
Nonmetallic minerals			52,481		63,650
Brick		118		4,720	
Coal and coke	201			3,216	
Gasoline		282		16,920	
Lime and cement		395		7,900	
Sharp sand	51,485			30,894	
Machinery and vehicles: Machinery and hardware		1,557	1,557	140,130	140,130
Unclassified: Miscellaneous		265	265	79,500	79,500
Total	108,330	5,416	113,746		777,112
INTERNAL TRAFFIC, LOWER CHANNEL BELOW TURNING BASIN.					
Animals and animal products: Mud shell	864,811		864,811	864,811	864,811
Vegetable food products			15,921		1,322,810
Garden truck		252		10,080	
Groceries		1,048		314,400	
Hay and feed		595		17,850	
Ice and mineral water		67		3,350	
Rice		13,959		977,130	
Wood and paper			16,645		260,588
Lumber and logs		16,504		204,188	
Pianos and furniture		141		56,400	
Nonmetallic minerals			541,738		2,659,254
Brick		144		4,720	
Coal and coke	201			3,216	
Fuel oil	422,044			2,532,264	
Gasoline		282		16,920	
Lime and cement		395		7,900	
Sharp sand	117,485			70,494	
Gas oil	1,187			23,740	
Machinery and vehicles: Machinery and hardware		1,557	1,557	467,100	467,100
Unclassified: Miscellaneous		265	265	79,500	79,500
Total	1,405,728	35,209	1,440,937		5,654,063

[1] This traffic also passed through the channel below the turning basin and is included in the detail statement for "internal traffic, lower channel below turning basin," but not in the "summary."

CARGOES IN TRANSIT.

Commodity.	Short tons.	Value.	Commodity.	Short tons.	Value.
Box shooks	12,005	$1,200,500	Lubricating oil	239	$11,711
Cotton	8,054	2,504,794	Rice	10,242	604,278
Cottonseed oil	14	476	Wheat flour	339	18,645
Kerosene	2,152	90,384			
Lubricating grease	2	200	Total	33,047	4,430,988

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HOUSTON SHIP CHANNEL, TEX.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Internal.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	2,330	$62,910	193	$96,500	122	$40,900	864,811	$864,811	867,456	$1,065,121
Vegetable food products	10,425	516,502	54,250	3,200,189	6,378	1,062,597	15,921	1,322,810	86,969	6,122,098
Other vegetable products					383	356,100			383	356,100
Textiles	7,752	1,230,740	119,192	38,285,736	2,636	819			129,580	40,335,476
Wood and paper	9	1,656	562	124,540	2,636	495,292	16,645	260,888	19,852	882,676
Nonmetallic minerals	206,738	2,067,380	132,531	3,378,485	777,371	10,605,579	541,738	2,659,254	1,658,378	18,710,698
Ores, metals and manufactures of			2,862	394,010	44,662	4,483,275			47,524	4,877,285
Machinery and vehicles			5,513	1,503,925	2,781	1,440,700	1,557	467,100	9,851	3,411,725
Chemicals			168	23,950	2,769	322,400			2,937	346,350
Unclassified			489	146,700	4,776	2,286,500	265	79,500	5,530	2,512,700
Total	227,254	3,879,188	315,760	47,154,035	844,509	21,932,343	1,440,937	5,654,063	2,828,460	78,619,629
Cargoes in transit									33,047	4,430,988

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HOUSTON SHIP CHANNEL, TEX.—continued.

Vessel classification, 1921.

Classes.	American arrivals and departures.	Foreign arrivals and departures.	Total.	Net registered tonnage.	Passengers.	Draft, loaded.	
						Average.	Maximum.
						Feet.	*Feet.*
Registered:							
Steamers	399	107	506	1,146,665	.....	21	24
Motor ships	2	34	36	19,884	.....	9	19
Sailing	2	.....	2	7,280	.....	20	22½
Tugs	4,450	.....	4,450	296,700	.....	10	16
Gas tugs	4,560	.....	4,560	73,890	.....	4½	7½
Barges	200	.....	200	135,780	.....	12	20
Launches	640	.....	640	16,980	25,621	5	8
Unregistered:							
Barges	4,730	.....	4,730	813,160	.....	4	6
Launches	522	.....	522	126,000	6,245	4	5
Total	15,505	141	15,646	2,636,339	31,866	.....	.....

A total of 54 vessels were compelled to lighter a part of their cargo before entering or after leaving the channel on account of insufficient depth of water and a total of 112 vessels navigated the channel with a draft of 21 to 24 feet.

All the above statistics were furnished by the harbor department of the city of Houston.

EAST BAY BAYOU (HANNA REEF), TEX.

Comparative statement of traffic.[1]

Year.	Tons.	Value.
1910	2,484	$242,000
1911	2,400	240,000

[1] No statistics could be obtained for 1912 to 1921.

[Navigation season: Entire year.]

No statistics of commerce could be obtained. It is believed the traffic through this channel was limited to occasional fishing and hunting boats.

DOUBLE BAYOU, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1907	3,600	$255,000	1915	5,853	$316,792
1908	5,000	269,000	1916	8,310	560,521
1909	(1)	(1)	1917	(1)	(1)
1910	4,471	284,180	1918	7,434	288,312
1911	6,007	218,150	1919	4,720	339,246
1912	3,351	115,300	1920	3,248	219,776
1913	7,835	195,462	1921	5,874	334,828
1914	5,574	279,523			

[1] No statistics available.

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DOUBLE BAYOU, TEX.—continued.

[Navigation season: Entire year.]

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL.					
Animals and animal products			602		$27,133
Bacon		6		$4,200	
Chickens		8		2,208	
Eggs		23		8,073	
Hides		15		5,160	
Hogs		27		5,400	
Mud shell	300			300	
Oysters		16		192	
Reef shell	200			200	
Sheep		7		1,400	
Vegetable food products			3,351		194,201
Corn		39		936	
Feed (miscellaneous)		107		1,819	
Garden truck		328		16,400	
Groceries		177		53,100	
Hay		20		280	
Oats		78		3,376	
Potatoes, sweet		13		780	
Rice (rough)		2,536		116,650	
Sugar cane		51		510	
Sirup		2		344	
Textiles			16		11,908
Cotton		6		1,908	
Wool		10		10,000	
Wood and paper			350		11,468
Lumber		322		10,948	
Shingles		8		320	
Cord wood		20		200	
Nonmetallic minerals			733		26,188
Brick		42		966	
Cement		20		560	
Coal		1		14	
Charcoal		125		6,250	
Gasoline		243		15,066	
Gravel	70			105	
Lime		25		350	
Oil, fuel		177		2,832	
Sharp sand	30			45	
Chemicals: Paint and oils		4	4	1,600	1,600
Unclassified			818		61,830
General merchandise		185		55,500	
Ice		633		6,330	
Total	600	5,274	5,874		334,328

Vessel Classification, 1921.

Classes.	Number.	Tonnage.	Passengers.	Average draft, loaded.
				Feet.
Tugs	1	14		4½
Barges	11	1,375		4½
Launches	12	72	219	3½
Total	24	1,461	219	

The above gives the number of launches regularly engaged in traffic. The number of trips made is unknown.

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ANAHUAC CHANNEL, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1907	74,311	$1,925,857	.....	1915	21,128	$510,082	.....
1908	15,000	780,000	.....	1916	14,563	505,880	.....
1909	42,436	818,734	.....	1917	20,204	482,795	.....
1910	203,076	1,384,949	.....	1918	23,926	937,820	75
1911	26,385	740,010	.....	1919	11,915	741,577	980
1912	94,073	712,285	.....	1920	17,942	573,884	750
1913	1,099	24,606	.....	1921	11,215½	353,552	949
1914	10,327	217,878	.....				

[Navigation season: Entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
Animals and animal products	.....	.....	3,371	.....	$33,589
Bacon	.....	13½	.....	$10,800	.....
Eggs	.....	2½	.....	877	.....
Fish	.....	43	.....	8,500	.....
Mud shell	3,312	.....	.....	3,312	.....
Vegetable food products	.....	.....	4,716	.....	251,664
Corn	.....	9	.....	216	.....
Feedstuffs	.....	83	.....	2,656	.....
Hay	.....	12	.....	168	.....
Melons	.....	100	.....	2,000	.....
Oats	.....	261	.....	11,223	.....
Rice	.....	3,956	.....	181,976	.....
Sirup	.....	4	.....	500	.....
Vegetables	.....	137½	.....	6,875	.....
Groceries	.....	153½	.....	46,050	.....
Wood and paper	.....	.....	53	.....	1,115
Cordwood	.....	8	.....	80	.....
Lumber	.....	45	.....	1,035	.....
Nonmetallic minerals	.....	.....	2,703½	.....	52,729
Brick	.....	9	.....	207	.....
Cement	.....	12	.....	228	.....
Charcoal	.....	200	.....	3,645	.....
Fuel oil	2,220	.....	.....	35,520	.....
Gasoline	.....	210½	.....	13,051	.....
Gravel	50	.....	.....	50	.....
Lime	.....	2	.....	28	.....
Machinery and vehicles: Machinery	.....	10	10	3,000	3,000
Unclassified	.....	.....	362	.....	21,455
General merchandise	.....	60	.....	18,000	.....
Ice	.....	300½	.....	3,005	.....
Miscellaneous	.....	1½	.....	450	.....
Total	5,582	5,633½	11,215½	.....	353,552

Vessel classification, 1921.

Class.	Arrivals and departures.	Total tonnage.	Average draft, loaded.
			Feet.
Tugs	151	1,661	4
Barges	[1] 264	[1] 33,000	4
Launches	[1] 723	[1] 5,784	3–6½
Sail	6	14	3½
Total	1,144	40,459	.....

[1] These figures are only approximate estimates.

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MOUTH OF TRINITY RIVER, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1906	(1)	$283,979	1914	5,213	$78,195
1907	112,130	1,362,643	1915	5,327	171,263
1908	(1)	599,430	1916	(1)	(1)
1909	34,311	469,484	1917	(1)	(1)
1910	26,550	647,400	1918	1,561	52,300
1911	1,293	233,097	1919	3,161	91,627
1912	4,209	325,600	1920	10,726	309,095
1913	(1)	(1)	1921 [2]	8,895	210,005

[1] No statistics available. [2] Commerce of Turtle Bayou in transit.

[Navigation season: Entire year.]

Freight traffic, 1921.

DOMESTIC.

(Cargoes in transit; traffic of Turtle Bayou.)

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
Animals and animal products			3,320½		$9,332
Bacon		7		$5,600	
Eggs		1½		420	
Mud shell	3,312			3,312	
Vegetable food products			2,908		135,174
Corn		9		216	
Hay		12		168	
Oats		261		11,223	
Rice		2,477		113,942	
Sirup		4		500	
Vegetables		137½		6,875	
Groceries		7½		2,250	
Wood and paper			53		1,115
Cordwood		8		80	
Lumber		45		1,035	
Nonmetallic minerals			2,528½		42,799
Brick		9		207	
Cement		12		228	
Charcoal		200		3,645	
Fuel oil	2,200			35,200	
Gasoline		55½		3,441	
Gravel	50			50	
Lime		2		28	
Machinery and vehicles: Machinery		10	10	3,000	3,000
Unclassified			75		18,585
General merchandise		60		18,000	
Ice		13½		135	
Miscellaneous		1½		450	
Total	5,562	3,333	8,895		210,005

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MOUTH OF TRINITY RIVER, TEX.—continued.

Vessel classification, 1921.

Class.	Arrivals and departures.	Total tonnage.	Average draft, loaded.
			Feet.
Tugs	151	1,661	4
Barges	[1] 256	[1] 32,000	4
Launches	[1] 714	[1] 5,712	3-6½
Sail	6	14	3½
Total	1,127	39,387	

[1] These figures are only approximate estimates.

The above is a repetition of the commerce statement of Turtle Bayou, as all boats plying to and from that stream now pass through the mouth of the Trinity River. No other commerce for 1921 was reported.

TURTLE BAYOU, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1910	8,119	$263,350	1916	14,663	$505,880
1911	3,962	604,123	1917	14,302	287,800
1912	11,117	208,305	1918	10,940	432,768
1913	6,088	113,840	1919	2,488	154,500
1914	11,340	238,522	1920	8,056	224,295
1915	15,791	338,819	1921	8,895	210,005

[Navigation season: Entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
Animals and animal products			3,320½		$9,332
Bacon		7		$5,600	
Eggs		1½		420	
Mud shell	3,312			3,312	
Vegetable food products			2,908		135,174
Corn		9		216	
Hay		12		168	
Oats		261		11,223	
Rice		2,477		113,942	
Syrup		4		500	
Vegetables		137½		6,875	
Groceries		7½		2,250	
Wood and paper			58		1,115
Cordwood		8		80	
Lumber		45		1,035	
Nonmetallic minerals			2,528½		42,799
Brick		9		207	
Cement		12		228	
Charcoal		200		3,645	
Fuel oil	2,200			35,200	
Gasoline		55½		3,441	
Gravel	50			50	
Lime		2		28	
Machinery and vehicles: Machinery		10	10	3,000	3,000
Unclassified			75		18,565
General merchandise		60		18,000	
Ice		13½		135	
Miscellaneous		1½		450	
Total	5,562	3,333	8,895		210,005

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TURTLE BAYOU, TEX.—continued.

Vessel classification, 1921.

Classes.	Arrivals and departures.	Total tonnage.	Average draft, loaded.
			Feet.
Tugs	151	1,661	4
Barges	[1] 256	[1] 32,000	4
Launches	[1] 714	[1] 5,712	3-6½
Sail	6	14	3½
Total	1,127	39,387	

[1] These figures are only approximate estimates.

CEDAR BAYOU, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1891	19,250	$108,250	1907	(1)	(1)
1892	20,042	128,250	1908	(1)	(1)
1893	20,970	139,020	1909	(1)	(1)
1894	32,010	140,840	1910	17,636	$434,769
1895	(1)	(1)	1911	21,436	778,151
1896	(1)	(1)	1912	41,432	946,962
1897	(1)	(1)	1913	36,930	1,075,095
1898	(1)	(1)	1914	(1)	(1)
1899	(1)	(1)	1915	96,310	1,339,400
1900	(1)	(1)	1916	(1)	(1)
1901	(1)	(1)	1917	17,075	670,500
1902	(1)	(1)	1918	64,325	966,614
1903	(1)	(1)	1919	102,387	7,602,885
1904	(1)	(1)	1920	14,829	1,596,520
1905	(1)	(1)	1921	18,700	764,667
1906	(1)	(1)			

[1] No statistics available.

[Navigation season; Entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL.					
Animals and animal products: Mud shell	566		566	$566	$566
Vegetable food products			14,008		648,344
Groceries		354		20,260	
Rice		13,654		628,084	
Wood and paper: Lumber		532	532	18,088	18,088
Nonmetallic minerals			3,418		44,869
Cement		78		2,184	
Fuel oil		2,623		41,968	
Sharp sand	717			717	
Miscellaneous general merchandise		176	176	52,800	52,800
Total	1,283	17,417	18,700		764,667

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CEDAR BAYOU, TEX.—continued.

Vessel classification, 1921.

Classes.	Arrivals and departures.	Total tonnage.	Average draft, loaded.
			Feet.
Sail	10	50	3½
Tugs	320	3,200	5½
Barges	424	127,200	6
Launches	167	1,336	5
Total	921	131,786	

This statement of vessels is only approximate, as local interests failed to submit accurate data.

CLEAR CREEK, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1910	2,611	$47,135	1916	1,425	$35,262
1911	11,257	43,125	1917	(1)	(1)
1912	(1)	(1)	1918	13,844	27,600
1913	(1)	(1)	1919	389	26,160
1914	23,997	13,790	1920	837½	13,255
1915	8,570	26,898	1921	1,549	34,995

[1] No statistics available.

[Navigation season: Entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities (package).	By classes.	By commodities.	By classes.
Animals and animal products		1,549		$34,995
Crabs	36		$1,800	
Fish	80		16,000	
Oysters	1,433		17,195	

Vessel classification, 1921.

Classes.	Number.	Tonnage.	Average draft, loaded.
			Feet.
Sail	7	35	3
Launches	15	75	3½
Total	22	110	

The above gives the approximate total number of boats using the waterway. The number of trips made was unobtainable.

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DICKINSON BAYOU, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1907	200	(1)	1915	1,391	$3,474
1908	2,050	$23,600	1916	5,548	24,337
1909	3,957	10,945	1917	(1)	(1)
1910	818	1,492	1918	(1)	(1)
1911	4,783	16,550	1919	(1)	(1)
1912	6,994	5,064	1920	(1)	(1)
1913	(1)	(1)	1921	(1)	(1)
1914	7,644	8,950			

[1] Statistics unobtainable.

[Navigation season: Entire year.]

So far as can be ascertained there was no commercial traffic of any kind during the year. Local interests along the bayou state that this was on account of the shoal condition of the entrance channel.

CHOCOLATE BAYOU, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1910	2,415	$31,500	1916	(1)	(1)
1911	7,515	55,315	1917	(1)	(1)
1912	4,800	212,000	1918	(1)	(1)
1913	(1)	(1)	1919	1,595	$27,700
1914	6,167	96,180	1920	160	6,201
1915	(1)	(1)	1921	822	3,994

[1] No statistics available.

[Navigation season: Entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL.					
Animals and animal products			755		$3,400
Fish		5		$1,000	
Oysters	150			1,800	
Reef shell	600			600	
Vegetable food products			2		67
Corn		1		24	
Oats		1		43	
Wood and paper			13		151
Cordwood		10		100	
Lumber		3		51	
Nonmetallic minerals			52		376
Cement		12		336	
Sharp sand	40			40	
Total	790	32	822		3,994

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CHOCOLATE BAYOU, TEX.—continued.

Vessel classification, 1921.

Classes.	Arrivals and departures.	Tonnage.	Average draft, loaded.
			Feet.
Launches	62	310	2½-3
Sail	1	7	4
Total	63	317	.....

BASTROP BAYOU, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1910	5,567	$90,535	1916	2,536	$39,080
1911	1,369	41,650	1917	(1)	(1)
1912	3,147	50,700	1918	(1)	(1)
1913	(1)	(1)	1919	(1)	(1)
1914	(1)	(1)	1920	(1)	(1)
1915	5,730	219,789	1921	2,229	31,576

[1] No statistics available.

[Navigation season: Entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities (bulk).	Amount in short tons, by classes.	Value.	
			By commodities.	By classes.
Nonmetallic minerals	.....	2,229	.....	$31,576
Oil, fuel	1,967	.....	$31,472	.....
Water, fresh	262	.....	104	.....
Total	2,229	.....	.....	31,576

Vessel classification, 1921.

Classes.	Arrivals and departures.	Approximate total tonnage.
Gas tugs	42	420
Barges	42	5,250
Total	84	5,670

OYSTER CREEK, TEX.

Comparative statement of traffic.

No commerce has been reported on this stream except during the calendar year 1918, when 13 tons of fuel oil valued at $78 is stated to have been moved by barge.

[Navigation season, entire year.]

No statement of traffic on this waterway could be obtained although efforts were made by correspondence with local interested parties.

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WEST GALVESTON BAY AND BRAZOS RIVER CANAL, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1920	2,361	$144,544	1921	1,515	$173,601

Previous to 1920 the records which have been obtained gave only the number and tonnage of boats using the waterway and no statements of freight carried were obtained.

[Navigation season: Entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL.					
Animals and animal products			910		$30,758
Fish		126		$25,200	
Mud shell	350			350	
Oysters		434		5,208	
Vegetable food products			155		40,070
Groceries		131		39,300	
Melons		17		350	
Potatoes, sweet		7		420	
Textiles: Cotton		98	98	31,323	31,323
Wood and paper: Lumber		10	10	179	179
Nonmetallic minerals: Oil, refined		122	122	5,246	5,246
Ores, metals and manufactures of: Hardware		80	80	24,000	24,000
Unclassified			139		42,025
General merchandise		134		40,200	
Household goods		5		1,825	
Total	350	1,165	1,515		173,601

Vessel classification, 1921.

Classes.	Number.	Tonnage.[1]
Eastbound:		
Gasoline	797	3,188
Sail	634	1,902
Barges	7	875
Westbound:		
Gasoline	794	3,176
Sail	633	1,899
Barges	9	1,125
Total	2,874	12,165

[1] Estimated.

No record of passengers.

The record of boats was obtained from the Southern Pacific Railroad system, which employs the drawbridge tender at the Galveston causeway crossing this waterway. The tonnage was obtained from the records of local fish and oyster dealers and others using the waterway.

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CHANNEL BETWEEN BRAZOS RIVER AND MATAGORDA BAY, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1914	2,226	$370,035	11,000	1918	4,478	$171,902	252
1915	9,064	1,054,150	590	1919	2,505	182,466	(1)
1916	756	119,150	616	1920	3,728	158,369	(1)
1917	1,008	170,288	486	1921	5,077	197,185	.....

[1] No statistics available.

[Navigation season: Entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL.					
Animals and animal products	.....	.....	4,291	.....	$35,920
Fish	.....	81	.....	$16,200	.....
Oysters	.....	1,410	.....	16,920	.....
Mud shell	2,800	.....	.....	2,800	.....
Vegetable food products	.....	.....	163½	.....	42,470
Groceries	.....	139	.....	41,700	.....
Melons	.....	17½	.....	350	.....
Potatoes, sweet	.....	7	.....	420	.....
Textiles: Cotton	.....	90	90	28,620	28,620
Wood and paper: Lumber	.....	14½	14½	493	493
Nonmetallic minerals	.....	.....	243	.....	7,183
Oil, fuel	.....	121	.....	1,936	.....
Oil, refined	.....	122	.....	5,246	.....
Ores, metals and manufactures of: Hardware	.....	80	80	24,000	24,000
Unclassified	.....	.....	195	.....	58,500
General merchandise	.....	190	.....	57,000	.....
Household goods	.....	5	.....	1,500	.....
Total	2,800	2,277	5,077	.....	197,185

Vessel classification, 1921.

Classes.	Arrivals and departures.[1]	Net registered tonnage.[1]	Average draft, loaded.
			Feet.
Sailing	905	3,449	2
Gas launches	1,285	37,130	2-4½
Barges	76	9,500	4
Total	2,266	50,079	.....

[1] These figures are approximate only.

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GUADALUPE RIVER TO VICTORIA, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1909	1,907	$169,330	1916	109,249	$54,581
1910	1,708	182,130	1917	(1)	(1)
1911	5,694	316,310	1918	60,668	106,296
1912	29,722	13,903	1919	(1)	(1)
1913	109,823	64,701	1920	198	29,080
1914	63,754	39,947	1921	170	24,500
1915	63,110	36,040			

[1] No statistics available.

[Navigation season: Entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL.					
Animals and animal products: Fish	.....	120	120	$24,000	$24,000
Wood and paper: Cordwood	50	.....	50	500	500
Total	50	120	170	.....	24,500

For side channel in San Antonio Bay into Seadrift, Tex., only. No statement of traffic on the Guadalupe River could be obtained.

Vessel classification, 1921.

Classes.	Number.	Tonnage.	Average draft, loaded.
			Feet.
Sailing	8	56	1½
Barges	4	6	1½
Launches	16	24	1½
Total	28	86	.....

This statement shows the approximate number of boats using the channel. The number of trips made by each boat was unobtainable.

CHANNEL FROM PASS CAVALLO TO PORT LAVACA, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1910	5,283	$122,165	1916	(1)	(1)
1911	734	25,025	1917	(1)	(1)
1912	(1)	(1)	1918	14,908	$140,382
1913	(1)	(1)	1919	15,671	201,090
1914	2,100	35,000	1920	29,524	332,766
1915	(1)	(1)	1921	925	19,000

[1] No statistics available.

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CHANNEL FROM PASS CAVALLO TO PORT LAVACA, TEX.—continued.

[Navigation season: Entire year.]

Freight traffic, 1921.

DOMESTIC.

	Amount in short tons, by commodities (package).	Amount in short tons, by classes.	Value.	
			By commodities.	By classes.
Animals and animal products		925		$19,000
Fish	50		$10,000	
Oysters	875		9,000	
Total		925		19,000

Vessel classification, 1921.

Classes.	Number.	Tonnage.	Average draft, loaded.
			Feet.
Sailing	7	60	4
Launches	5	30	4
Total	12	90	

This is believed to be only a partial statement of the commercial statistics for the year. Although repeated efforts were made to obtain statistics by letters addressed to local interests only two of the interested parties responded.

CHANNEL FROM PASS CAVALLO TO ARANSAS PASS, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1909	3,240	$63,625	1916	203	$15,130
1910	2,675	96,500	1917	2,427	250,479
1911	1,497	38,813	1918	3,188	261,213
1912	384	52,160	1919	572	26,125
1913	380	48,600	1920	1,244	113,002
1914	4,979	215,730	1921	79,249	178,590
1915	3,032	181,356			

[Navigation season: Entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value	
	Bulk.	Package.		By commodities.	By classes
INTERNAL.					
Animals and animal products			79,204		$178,140
Fish		409		$81,800	
Mud shell	77,200			77,200	
Oysters		1,595		19,140	
Unclassified: Ice		45	45	450	450
Total	77,200	2,049	79,249		178,590

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CHANNEL FROM PASS CAVALLO TO ARANSAS PASS, TEX.—continued.

Vessel classification, 1921.

Classes.	Arrivals and departures.	Total tonnage.	Average draft, loaded.
Registered and unregistered:			*Feet.*
Sail	2,540	2,700	1½-3½
Launches	346	1,384	3
Tugs	1,560	14,040	5½
Barges	782	78,961	5½-8½
Total	5,228	107,085	.....

CHANNEL FROM ARANSAS PASS TO CORPUS CHRISTI, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1909	4,649	$1,092,892	1916	13,620	$524,989
1910	6,547	675,229	1917	9,103	119,663
1911	8,880	863,000	1918	23,197	465,050
1912	42,672	698,000	1919	30,862	316,412
1913	10,849	75,943	1920	8,410.5	190,872
1914	64,455	1,530,123	1921	11,042	202,020
1915	26,803	2,479,358			

[Navigation season: Entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities (package).	Amount in short tons, by classes.	Value.	
			By commodities.	By classes.
SHIPMENTS, INTERNAL.				
Animals and animal products	.....	774	.....	$99,340
Fish	479	.....	$95,800	.....
Oysters	295	.....	3,540	.....
Nonmetallic minerals: Oil, fuel	10,268	10,268	102,680	102,680
Total	11,042	11,042	.....	202,020

NOTE.—All the above is shipped from Aransas Pass (Port Aransas) to Corpus Christi.

Vessel classification, 1921.

Classes.	Arrivals and departures.	Total tonnage.	Average draft, loaded.
			Feet.
Barges	62	12,400	4
Launches	[1] 98	[1] 532	2-4
Sailing	[1] 120	[1] 960	2
Total	280	13,892	.....

[1] Approximated. No records available.

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FREEPORT HARBOR, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1914	101,515	$7,513,099	1918	309,700	$3,097,992
1915	149,335	5,746,466	1919	328,411	5,933,225
1916	283,365	4,078,893	1920[1]	436,879	6,693,606
1917	334,693	4,284,822	1921	206,329	1,768,821

[1] Exclusive of 3,890 tons cargo in transit, valued at $54,460.

[Navigation season: Entire year.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Nonmetallic minerals: Oil, crude	148,682	148,682	$849,100	$849,100
EXPORTS.				
Nonmetallic minerals: Sulphur	21,429	21,429	306,128	306,128
Machinery and vehicles		376		57,839
Autos and gas engines	1		810	
Oil-well machinery	375		57,029	
Unclassified: Piano	½	½	250	250
Total exports	21,805½	21,805½		364,217
Total imports and exports		170,487½		1,213,317

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Ores, metals, and manufactures of: Iron and steel manufactures		672	672	$67,200	$67,200
SHIPMENTS, COASTWISE.					
Nonmetallic minerals			35,170		482,304
Oil, crude	4,696			46,960	
Sulphur	30,474			435,344	
Total	35,170		35,170	482,304	482,304
Total receipts and shipments, coastwise	35,170	672	35,842		549,504

Cargoes in transit, 3,890 short tons of sulphur, valued at $54,460.

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FREEPORT HARBOR, TEX.—continued.

SUMMARY.

Classes and commodities.	Foreign.				Domestic, coastwise.		Total.	
	Imports.		Exports.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals	148,682	$849,100	21,429	$306,128	35,170	$482,304	205,281	$1,637,532
Ores, metals, and manufactures of					672	67,200	672	67,200
Machinery and vehicles			376	57,839			376	57,839
Unclassified			½	250			½	250
Total	148,682	849,100	21,805½	364,217	35,842	549,504	206,329½	1,762,821
Cargoes in transit							3,890	54,460

Vessel classification, 1921.

Classes.	Arrivals and departures.		Total.	Net registered tonnage.	Average draft, loaded (in feet).
	American.	Foreign.			
Registered:					
Steamers	62	9	71	112,074	17
Sailing	1		1	363	10
Tugs	5		5	1,160	14
Barges	8		8	8,932	17
Unregistered:					
Sailing	1		1		4
Barges	8		8		8
Tugs	17	1	18		9
Total	102	10	112	122,529	

Passengers, 16.

BRAZOS RIVER, TEX., FROM VELASCO TO OLD WASHINGTON.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1910 [1]			1916 [1]		
1911 [1]			1917 [1]		
1912 [1]			1918 [1]		
1913	1,080	$81,000	1919	56,412	$1,128,249
1914 [1]			1920	57,600	1,152,000
1915 [1]			1921	29,696	71,960

[1] No commerce on river so far as known.

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BRAZOS RIVER, TEX., FROM VELASCO TO OLD WASHINGTON—continued.

[Navigation season, entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities (bulk).	By classes.	By commodities	By classes.
INTERNAL.				
Animals and animal products: Mud shell	25,000	25,000	$25,000	$25,000
Nonmetallic minerals: Oil, crude	4,696	4,696	46,960	46,960
Total		29,696		71,960

The above statistics were furnished by Chas. Clarke & Co., of Galveston, Tex., who towed the oil in barges from the West Columbia oil field, about 32 miles above the mouth of the river, down to the mouth, thence coastwise to Sabine and Port Neches, Tex.; and by the Palacios Shell Co., who barged the shell about 5 miles up the river above the mouth.

Vessel classification, 1921.

Classes.	Arrivals and departures.	Tonnage.	Average draft, loaded.
			Feet.
Steam and gas tugs	[1] 257	[1] 6,510	4-7
Barges	[1] 207	[1] 41,400	4-7½

[1] These figures are approximate only. They show the approximate number of trips up and down the river.

PORT ARANSAS, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1914	192,701	$2,061,253	6,665	1918	121,222	$796,966	5,048
1915	120,389	3,053,072	(1)	1919	27,070	1,007,259	3,000
1916	106,807	819,340	(1)	1920 [2]	147,506	2,470,433	3,020
1917	89,808	864,887	3,771	1921	458,150	4,621,347	750

[1] No statistics available.
[2] Increase in tonnage and value due to inclusion of local traffic between Port Aransas and the town of Aransas Pass, which had not been previously included.

[Navigation season, entire year.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Nonmetallic minerals: Oil, crude	235,200	235,200	$2,352,000	$2,352,000
EXPORTS.				
Wood and paper: Shingles	1	1	50	50
Total imports and exports		235,201		2,352,050

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PORT ARANSAS, TEX.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Nonmetallic minerals: Oil, crude		3,360	3,360	$33,600	$33,600
INTERNAL RECEIPTS AT PORT ARANSAS.					
Vegetable food products			59		13,410
Groceries		44		13,200	
Hay		15		210	
Wood and paper			16		440
Lumber		15		390	
Shingles		1		50	
Nonmetallic minerals: Gasoline		43	43	2,700	2,700
Unclassified			59		1,747
General merchandise		4		1,200	
Ice		55		547	
Total		177	177	18,297	18,297
INTERNAL SHIPMENTS FROM PORT ARANSAS.					
Animals and animal products: Fish		122	122	24,500	24,500
Nonmetallic minerals: Oil, fuel	219,290		219,290	2,192,900	2,192,900
Total	219,290	122	219,412	2,217,400	2,217,400
Internal receipts and shipments	219,290	299	219,589		2,235,697

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Internal.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products							122	$24,500	122	$24,500
Vegetable food products							59	13,410	59	13,410
Wood and paper			1	$50			16	440	17	490
Nonmetallic minerals	235,200	$2,352,000			3,360	$33,600	219,333	2,195,600	457,893	4,581,200
Unclassified							59	1,747	59	1,747
Total	235,200	2,352,000	1	50	3,360	33,600	219,589	2,235,697	458,150	4,621,347

Vessel classification, 1921.

PORT ARANSAS.

Classes.	American arrivals and departures.	Total tonnage.	Average draft, loaded.
			Feet.
Steamers	32	52,668	19½
Sailing	2	736	16
Tugs	68	10,986	16
Barges	33	49,124	18
Launches	8	146	4½
Motor ships	24	39,020	20
Total	167	152,680	

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PORT ARANSAS, TEX.—continued.

INTERNAL, PORT ARANSAS TO TOWN OF ARANSAS PASS, TEX.

Classes.	Arrivals and departures.	Total tonnage.	Passengers.	Average draft, loaded.
				Feet.
Barges	2,198	413,156	.....	1-3.7
Launches	2,785	12,147	750	2-4.5
Total	4,983	425,303	750	.....

BRAZOS ISLAND HARBOR, TEX.

There has been no commerce through the harbor or pass in recent years or since the construction of the St. Louis, Brownsville & Mexico Railroad into the lower Rio Grande Valley. The only traffic in the vicinity was carried on by small fishing boats which operated in the Laguna Madre and landed at Point Isabel.

There was no commerce through the harbor or pass during the calendar year. The only traffic in the vicinity was carried on by the small local fishing boats operating in the Laguna Madre.

HARBOR AT SABINE PASS, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1893	15,050	$180,950	1908	1,802,907	$28,153,544
1894	40,966	280,189	1909	2,785,786	36,116,540
1895	47,691	252,823	1910	2,304,113	45,202,759
1896	48,886	475,288	1911	2,443,962	49,864,181
1897	87,632	475,288	1912	3,100,375	56,059,754
1898	238,400	2,363,542	1913	4,758,408	86,437,688
1899	326,494	3,058,162	1914	5,569,454	81,195,808
1900	217,489	4,774,531	1915	6,001,885	100,524,639
1901	150,087	(1)	1916	5,830,132	105,634,007
1902	689,688	4,245,425	1917	8,005,149	164,311,583
1903	1,315,248	11,149,238	1918	7,261,187	195,298,448
1904	1,192,371	12,732,238	1919	8,140,831	234,749,351
1906	1,779,954	14,512,178	1920 [2]	1,180,693	19,486,992
1906	1,904,389	19,820,419	1921 [3]	1,146,214	18,744,446
1907	1,848,159	24,275,780			

[1] No statistics available.
[2] Exclusive of 10,695,466 tons cargoes in transit, valued at $393,467,955.
[3] Exclusive of 9,729,173 tons cargoes in transit, valued at $316,477,350.

[Navigation season: Entire year.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Nonmetallic minerals: Oil, crude and fuel	172,583	172,583	$2,243,579	$2,243,579
EXPORTS.				
Nonmetallic minerals	.....	282,797	.....	7,159,162
Oil, crude and fuel	68,680	.....	892,840	.....
Oil, gasoline and kerosene	79,724	.....	4,384,820	.....
Sulphur	134,393	.....	1,881,502	.....
Total imports and exports	455,380	455,380	.....	9,402,741

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HARBOR AT SABINE PASS, TEX.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Nonmetallic minerals			44,451		$598,088
Asphalt		203		$3,451	
Coal		36		504	
Grease		5		500	
Oil, crude and fuel	43,745			568,685	
Oil, lubricating		462		24,948	
Ores, metals and manufactures of: Iron and steel		1,505	1,505	173,075	173,075
Machinery and vehicles: Machinery		12	12	3,600	3,600
Total	43,745	2,223	45,968		774,763
SHIPMENTS, COASTWISE.					
Wood and paper: Lumber		18	18	414	414
Nonmetallic minerals			644,846		8,565,928
Oil, crude and fuel	461,916			6,004,908	
Sulphur	182,930			2,561,020	
Unclassified: Miscellaneous		2	2	600	600
Total	644,846	20	644,866		8,566,942
Total shipments and receipts, coastwise	688,591	2,243	690,834		9,341,705

CARGOES IN TRANSIT.

Commodities.	Tons.	Value.	Commodities.	Tons.	Value.
Asphalt	46,545	$791,265	Merchandise, general	16,353	$4,905,900
Brick	1,222	28,106	Miscellaneous	13,580	4,074,000
Chemicals	3,365	3,365,000	Oil, crude and fuel	5,302,622	68,934,086
Coal	10,404	145,656	Oil, gasoline and kerosene	3,871,050	212,907,750
Cotton	671	213,378	Oil, lubricating	179,867	9,712,818
Cottonseed meal	8,684	321,308	Rice, cleaned	4,407	260,013
Grease	1,261	126,100	Roofing paper	154	10,780
Groceries	873	261,900	Wheat	70,927	3,617,277
Hardware	617	185,100	Wax, paraffin	4,245	598,545
Iron and steel	12,753	1,466,595			
Lumber	178,051	4,095,173	Total	9,729,173	316,477,350
Machinery	1,522	456,600			

SUMMARY.

	Foreign.				Domestic, coastwise.		Total.	
	Imports.		Exports.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper					18	$414	18	$414
Nonmetallic minerals	172,583	$2,243,579	282,797	$7,159,162	689,297	9,164,016	1,144,677	18,566,757
Ores, metals and manufactures of					1,505	173,075	1,505	173,075
Machinery and vehicles					12	3,600	12	3,600
Unclassified					2	600	2	600
Total	172,583	2,243,579	282,797	7,159,162	690,834	9,341,705	1,146,214	18,744,446
Cargoes in transit							9,729,173	316,477,350

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HARBOR AT SABINE PASS, TEX.—continued.

Vessel classification, 1921.

Classes.	American arrivals and departures.	Foreign arrivals and departures.	Total.	Net registered tonnage.	Average draft, loaded.
Registered:					*Feet.*
Steamers	489	331	820	2,631,552	26
Sailing	41	21	62	32,286	13
Steamers, coastwise	836	.....	836	2,644,930	24
Tugs	938	.....	938	100,843	12
Motor vessels	68	5	73	121,044	16
Barges	478	1	479	415,291	10
Launches	89	.....	89	1,253	5
Unregistered: Barges	74	.....	74	11,170	5
Total	3,013	358	3,371	5,958,369	.....

PORT ARTHUR, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1908	1,174,415	$21,405,118	1915	4,533,864	$77,764,725
1909	1,597,797	29,533,243	1916	4,618,501	89,128,245
1910	1,674,316	37,008,843	1917	6,984,286	149,483,438
1911	1,880,017	43,293,854	1918	5,956,580	164,460,622
1912	2,050,362	42,531,814	1919	6,948,502	215,857,032
1913	3,171,758	62,134,154	1920	[1] 7,494,260	253,421,055
1914	4,090,928	60,814,058	1921	[2] 7,051,500	206,050,796

[1] Exclusive of 3,128,891 tons cargoes in transit, valued at $140,326,024.
[2] Exclusive of 3,041,747 tons cargo in transit, valued at $113,777,660.

[Navigation season, entire year.]

Freight traffic, 1921.

FOREIGN.

Classes of commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Nonmetallic minerals	.....	805,847	.....	$13,724,637
Oil, crude and fuel	728,499	.....	$9,470,487	.....
Oil, gasoline and kerosene	77,348	.....	4,254,140	.....
Ores, metals and manufactures of: Iron and steel	443	443	50,945	50,945
Total imports	806,290	806,290	.....	13,775,572
EXPORTS.				
Vegetable food products	.....	79,621	.....	3,939,175
Cottonseed meal	8,684	.....	321,308	.....
Rice (cleaned)	10	.....	590	.....
Wheat	70,927	.....	3,617,277	.....
Textiles: Cotton	671	671	213,378	213,378
Wood and paper: Lumber	1,676	1,676	38,548	38,548
Nonmetallic minerals	.....	1,661,128	.....	32,154,881
Asphalt	5,536	.....	94,112	.....
Coal	5,202	.....	72,828	.....
Grease	3	.....	300	.....
Oil, crude and fuel	922,565	.....	11,993,345	.....
Oil, gasoline and kerosene	691,908	.....	38,054,940	.....
Oil, lubricating	35,914	.....	1,939,356	.....
Ores, metals, and manufactures of: Iron and steel	2,305	2,305	265,075	265,075
Unclassified: Merchandise, general	3,603	3,603	1,080,900	1,080,900
Total exports	1,749,004	1,749,004	.....	57,691,957
Total imports and exports	.....	2,555,294	.....	71,467,529

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PORT ARTHUR, TEX.—continued.

DOMESTIC.

Classes of commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Nonmetallic minerals			22,038		$763,358
Oil, crude and fuel	10,665			$138,645	
Oil, gasoline and kerosene		10,571		581,405	
Oil, lubricating		802		43,308	
Ores, metals and manufactures of: Iron and steel		4,111	4,111	472,765	472,765
Machinery and vehicles: Machinery		305	305	91,500	91,500
Chemicals: Chemicals		3,335	3,335	3,335,000	3,335,000
Unclassified: Miscellaneous		10,093	10,093	3,027,900	3,027,900
Total	10,665	29,217	39,882		7,690,523
SHIPMENTS, COASTWISE.					
Vegetable food products: Rice (cleaned)		200	200	11,800	11,800
Wood and paper: Lumber		736	736	16,928	16,928
Nonmetallic minerals			4,093,314		124,112,920
Asphalt		11,303		192,151	
Coal		5,202		72,828	
Grease		1,258		125,800	
Oil, crude and fuel	2,396,567			31,155,371	
Oil, gasoline and kerosene		1,532,319		84,277,545	
Oil, lubricating		142,420		7,690,680	
Wax, paraffin		4,245		598,545	
Total	2,396,567	1,697,683	4,094,250		124,141,648
Total receipts and shipments, coastwise	2,407,232	1,726,900	4,134,132		131,832,171
RECEIPTS, INTERNAL.					
Animals and animal products			46		21,842
Bacon				400	
Chickens		3		828	
Eggs		9		3,159	
Ham and bacon		3		1,955	
Meats, canned and salt		31		15,500	
Vegetable food products			410		58,440
Flour		120		17,280	
Groceries		99		29,700	
Potatoes, Irish		190		11,400	
Potatoes, sweet		1		60	
Nonmetallic minerals			227,478		2,490,345
Asphalt		614		10,438	
Oil, crude and fuel	189,616			2,465,008	
Water	37,248			14,899	
Ores, metals, and manufactures of: Hardware		138	138	41,400	41,400
Unclassified: Ice		563	563	5,630	5,630
Total	226,864	1,771	228,635		2,617,657
SHIPMENTS, INTERNAL.					
Animals and animal products except wool and hair: Shell, oyster	133,439		133,439	133,439	133,439
Total receipts and shipments, internal	360,303	1,771	362,074		2,751,096

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PORT ARTHUR, TEX.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Internal.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products							133,485	$155,281	133,485	$155,281
Vegetable food products			79,621	$3,939,175	200	$11,800	410	58,440	80,231	4,009,415
Textiles			671	213,378					671	213,378
Wood and paper			1,676	38,548	736	16,928			2,412	55,476
Nonmetallic minerals	805,847	$13,724,627	1,661,128	52,154,881	4,115,352	124,876,278	227,478	2,490,345	6,809,805	193,246,131
Ores, metals, and manufactures of	443	50,945	2,305	265,075	4,111	472,765	138	41,400	6,997	830,185
Machinery and vehicles					305	91,500			305	91,500
Chemicals					3,335	3,335,000			3,335	3,335,000
Unclassified			3,603	1,080,900	10,093	3,027,900	563	5,630	14,259	4,114,430
Total	806,290	13,775,572	1,749,004	57,691,957	4,134,132	131,832,171	362,074	2,751,096	7,051,500	206,050,796
Cargoes in transit									3,041,747	113,777,650

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PORT ARTHUR, TEX.—continued.

CARGOES IN TRANSIT.

Commodities.	Tons.	Value.	Commodities.	Tons.	Value.
Asphalt	29,706	$505,002	Miscellaneous	5,487	$1,646,100
Brick	1,222	28,106	Oil, crude and fuel	1,244,326	16,176,238
Chemicals	30	30,000	Oil, gasoline and kerosene	1,558,904	85,739,720
Groceries	873	261,900	Oil, lubricating	731	39,474
Hardware	617	185,100	Rice (cleaned)	4,197	247,623
Iron and steel	5,894	677,810	Roofing paper	154	10,780
Lumber	175,639	4,039,697			
Machinery	1,217	365,100	Total	3,041,747	113,777,650
Merchandise, general	12,750	3,825,000			

Vessel classification, 1921.

Class.	American arrivals and departures.	Foreign arrivals and departures.	Total.	Net registered tonnage.	Average draft, loaded.
Registered:					*Feet.*
Steamers	443	302	745	2,491,620	26
Sailing	39	20	59	30,702	13
Steamers, coastwise	768	.....	768	2,416,969	24
Tugs	815	.....	815	98,722	10
Motor vessels	68	4	72	119,365	16
Barges	783	1	784	421,471	10
Launches	1,471	.....	1,471	6,728	5
Unregistered:					
Barges	1,463	.....	1,463	219,262	5
Launches	207	.....	207	1,684	2
Total	6,057	327	6,384	5,806,523	.....

SABINE-NECHES CANAL, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1908	110,992	$719,400	1915	543,157	$4,723,692
1909	111,025	740,050	1916	965,722	13,670,219
1910	106,240	904,011	1917	1,437,439	54,889,582
1911	259,776	1,279,932	1918	1,293,376	41,038,100
1912	270,904	2,096,487	1919	1,852,731	72,314,312
1913	629,001	3,846,752	1920	3,208,546	140,383,103
1914	679,319	3,607,957	1921	[1] 3,289,944½	116,414,870

[1] Of this, 3,041,747 tons, valued at $113,777,650, was in transit, the remainder being internal (local).

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SABINE-NECHES CANAL, TEX.—continued.

[Navigation season: Entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL, RECEIPTS.					
Animals and animal products: Shell, oyster.	19,563	.....	19,563	$19,563	$19,563
INTERNAL, SHIPMENTS.					
Animals and animal products	.....	.....	45¾	.....	21,842
Bacon	.....	½	.....	400	.....
Chickens	.....	3	.....	828	.....
Eggs	.....	9	.....	3,159	.....
Ham	.....	2¼	.....	1,955	.....
Meats, canned or salt	.....	31	.....	15,500	.....
Vegetable food products	.....	.....	410	.....	58,440
Flour	.....	120	.....	17,280	.....
Groceries	.....	99	.....	29,700	.....
Potatoes, Irish	.....	190	.....	11,400	.....
Potatoes, sweet	.....	1	.....	60	.....
Nonmetallic minerals	.....	.....	227,478	.....	2,490,345
Asphalt	.....	614	.....	10,438	.....
Oil, crude and fuel	189,616	.....	.....	2,465,008	.....
Water, fresh	37,248	.....	.....	14,899	.....
Ores, metals and manufactures of: Hardware	.....	138	138	41,400	41,400
Unclassified: Ice	.....	563	563	5,630	5,630
Total, internal	226,864	1,770¾	228,634¾	.....	2,617,657
Total, internal receipts and shipments	246,427	1,770¾	248,197¾	.....	2,637,220

CARGOES IN TRANSIT.

Commodities.	Short tons.	Value.	Commodities.	Short tons.	Value.
Asphalt	29,706	$505,002	Miscellaneous	5,487	$1,646,100
Brick	1,222	28,106	Oil, crude and fuel	1,244,326	16,176,238
Chemicals	30	30,000	Gasoline and kerosene	1,558,904	85,739,720
Groceries	873	261,900	Lubricating oil	731	39,474
Hardware	617	185,100	Rice (cleaned)	4,197	247,623
Iron and steel	5,894	677,810	Roofing paper	154	10,780
Lumber	175,639	4,039,697			
Machinery	1,217	335,100	Total	3,041,747	113,777,650
Merchandise	12,750	3,825,000			

Vessel classification, 1921.

Classes.	American arrivals and departures.	Foreign arrivals and departures.	Total.	Net registered tonnage.	Average draft loaded.
Registered:					*Feet.*
Steamers	190	118	308	897,374	23
Sailing	32	13	45	27,160	13
Steamers, coastwise	104	.....	104	330,710	22
Tugs	768	.....	768	74,352	10
Motor vessels	3	3	6	14,456	12
Barges	251	1	252	210,672	10
Launches	607	.....	607	5,475	5
Unregistered:					
Barges	1,126	.....	1,126	208,387	[illegible]
Launches	542	.....	542	4,284	2
Total	3,623	135	3,758	1,792,870	.....

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NECHES RIVER, TEX.

(BEAUMONT, TEX.)

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1906	178,656	$501,050	1914	157,797	$1,278,305
1907	150,040	360,072	1915	295,985	1,843,407
1908	156,204	469,390	1916	674,058	10,903,471
1909	157,277	521,865	1917	1,066,310	46,360,078
1910	107,028	598,934	1918	1,100,047	37,286,939
1911	235,394	931,512	1919	2,157,801	92,609,536
1912	216,173	1,624,848	1920	2,960,525	135,746,913
1913	221,519	1,711,832	1921	2,984,678	109,743,008

[Navigation season: Entire year.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Nonmetallic minerals: Oil, crude and fuel	510,037	510,037	$6,630,481	$6,630,481
EXPORTS.				
Vegetable food products		1,189		280,544
Groceries	873		261,900	
Rice	316		18,644	
Wood and paper		56,361		1,303,541
Lumber	56,207		1,292,761	
Roofing paper	154		10,780	
Nonmetallic minerals		1,466,340		67,188,395
Brick	1,222		28,106	
Oil, crude and fuel	319,535		4,153,955	
Oil, gasoline and kerosene	1,144,852		62,966,860	
Oil, lubricating	731		39,474	
Ores, metals, and manufactures of		6,378		847,615
Hardware	617		185,100	
Iron and steel	5,761		662,515	
Machinery and vehicles: Machinery	1,217	1,217	365,100	365,100
Chemicals: Chemicals	30	30	30,000	30,000
Unclassified		8,604		2,581,200
Merchandise, general	8,237		2,471,100	
Miscellaneous	367		110,100	
Total exports	1,540,119	1,540,119		72,596,395
Total imports and exports	2,050,156	2,050,156		79,226,876

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NECHES RIVER, TEX.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Nonmetallic minerals: Oil, crude and fuel	8,664		8,664	$112,632	$112,632
SHIPMENTS, COASTWISE.					
Wood and paper: Lumber		5,297	5,297	121,831	121,831
Nonmetallic minerals			849,848		28,587,032
Asphalt		29,706		505,002	
Oil, crude and fuel	406,090			5,279,170	
Oil, gasoline and kerosene		414,052		22,772,860	
Unclassified: Merchandise, general		3,654	3,654	1,096,200	1,096,200
Total shipments, coastwise	406,090	452,709	858,799		29,775,063
Total shipments and receipts, coastwise	414,754	452,709	867,463		29,887,695
INTERNAL, RECEIPTS.					
Animals and animal products: Shell, oyster	12,398		12,398	12,398	12,398
Nonmetallic minerals			28,056		317,614
Oil, crude and fuel	23,907			310,791	
Sand	4,149			6,823	
Total	40,454		40,454		330,012
INTERNAL, SHIPMENTS.					
Nonmetallic minerals			26,605		298,425
Asphalt		614		10,438	
Oil, crude and fuel	22,031			286,403	
Water	3,960			1,584	
Total	25,991	614	26,605		298,425
Total shipments and receipts, internal	66,445	614	67,059		628,437

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NECHES RIVER, TEX.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Coastwise.		Internal.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products							12,398	$12,398	12,398	$12,398
Vegetable food products			1,189	$280,544					1,189	280,544
Wood and paper			56,361	1,303,541	5,297	$121,831			61,658	1,425,372
Nonmetallic minerals	510,037	$6,630,481	1,466,340	57,188,395	858,512	28,669,664	54,661	616,039	2,889,550	103,104,579
Ores, metals, and manufactures of			6,378	847,615					6,378	847,615
Machinery and vehicles			1,217	365,100					1,217	365,100
Chemicals			30	30,000					30	30,000
Unclassified			8,604	2,581,200	3,654	1,096,200			12,258	3,677,400
Total	510,037	6,630,481	1,540,119	72,596,395	867,463	29,887,695	67,059	628,437	2,984,678	109,743,008

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NECHES RIVER, TEX.—continued.

Vessel classification, 1921.

Classes.	American arrivals and departures.	Foreign arrivals and departures.	Total.	Net registered tonnage.	Average draft loaded.
Registered:					*Feet.*
Steamers	176	102	278	835,052	23
Sailing	6	.....	6	6,782	13
Steamers, coastwise	102	.....	102	347,406	22
Tugs	808	.....	808	65,394	10
Motor vessels	3	3	6	14,456	12
Barges	198	1	199	167,279	10
Launches	17	.....	17	84	3
Unregistered:					
Barges	75	.....	75	12,239	5
Launches	7	.....	7	35	2
Total	1,392	106	1,498	1,448,727	.....

SABINE RIVER, TEX.

(ORANGE, TEX.)

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1893	146,363	$1,591,280	1908	308,825	$1,173,640
1894	245,657	1,518,630	1909	344,225	1,222,083
1895	186,738	736,044	1910	287,068	1,304,790
1896	271,257	979,380	1911	417,933	1,229,720
1897	245,364	1,181,154	1912	599,792	3,136,879
1898	275,506	1,394,557	1913	443,989	3,208,479
1899	270,642	1,106,993	1914	505,271	3,159,496
1900	32,148	248,617	1915	541,260	3,875,957
1901	459,909	2,000,052	1916	498,330	4,991,474
1902	413,174	1,202,964	1917	215,605	2,743,522
1903	325,761	743,425	1918	205,768	3,458,539
1904	292,184	841,094	1919	207,422	4,372,178
1905	198,210	1,294,227	1920	263,812	6,018,282
1906	409,870	1,268,950	1921	829,188	10,701,588
1907	405,172	1,384,517			

[Navigation season: Entire year.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Vegetable food products: Rice, cleaned	3,881	3,881	$229,979	$229,979
Wood and paper: Lumber	106,701	106,701	2,454,123	2,454,123
Ores, metals, and manufactures of: Iron and steel	133	133	15,295	15,295
Miscellaneous	.....	5,979	.....	1,793,700
Merchandise, general	859	.....	257,700	.....
Miscellaneous	5,120	.....	1,536,000	.....
Total	116,694	116,694	.....	4,493,097

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SABINE RIVER, TEX.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS, COASTWISE.					
Wood and paper: Lumber		7,434	7,434	$170,982	$170,982
INTERNAL, SHIPMENTS.					
Animals and animal products: Cattle		6,000	6,000	720,000	720,000
Vegetable food products			50		8,568
Feed		24		768	
Groceries		26		7,800	
Wood and paper			154		1,982
Cordwood		120		1,200	
Lumber		34		782	
Nonmetallic minerals			176,093		2,290,870
Coal		20		280	
Oil, crude, and fuel	176,034			2,288,442	
Gasoline and kerosene		39		2,148	
Ores, metals, and manufactures of: Hardware		111	111	33,300	33,300
Machinery and vehicles: Machinery		154	154	46,200	46,200
Chemicals: Chemicals		10	10	10,000	10,000
Total shipments	176,034	6,538	182,572		3,110,920
INTERNAL, RECEIPTS.					
Animals and animal products			50,139		90,149
Cattle		24		2,880	
Chickens		1		207	
Eggs		2		702	
Furs, raw		10		10,000	
Horses		32		6,920	
Meats, fresh		5		1,500	
Produce		65		17,940	
Shell, oyster	50,000			50,000	
Vegetable food products			99		2,940
Melons		75		1,500	
Potatoes, Irish		24		1,440	
Wood and paper: Logs		472,250	472,250	2,833,500	2,833,500
Total receipts	50,000	472,488	522,488		2,926,589

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic.				Total.	
			Coastwise.		Internal.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products					56,139	$810,149	56,139	$810,149
Vegetable food products	3,881	$229,979			149	11,508	4,030	241,487
Wood and paper	106,701	2,454,123	7,434	$170,982	472,404	2,835,482	586,539	5,460,587
Nonmetallic minerals					176,093	2,290,870	176,093	2,290,870
Ores, metals, and manufactures of	133	15,295			111	33,300	244	48,590
Machinery and vehicles					154	46,200	154	46,205
Chemicals					10	10,000	10	10,000
Miscellaneous	5,979	1,793,700					5,979	1,793,700
Total	116,694	4,493,097	7,434	170,982	705,060	6,037,509	829,188	10,701,588

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SABINE RIVER, TEX.—continued.

Vessel classification, 1921.

Classes.	American arrivals and departures.	Foreign arrivals and departures.	Total.	Net registered tonnage.	Passengers.	Average draft loaded.
Registered:						*Feet.*
Steamers	29	14	43	80,219	.....	22
Sailing	26	13	39	20,378	.....	13
Steamers, coastwise	2	.....	2	3,304	.....	20
Tugs	124	.....	124	7,825	.....	8
Barges	123	.....	123	33,880	.....	8
Launches	923	.....	923	8,304	450	3
Unregistered:						
Barges	137	.....	137	7,680	.....	5
Launches	93	.....	93	640	.....	2
Total	1,457	27	1,484	162,230	450	.....

JOHNSONS BAYOU, LA.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1899	3,163	$69,473	1911	2,331	$208,130
1900	3,594	94,824	1912	6,941	400,454
1901	4,363	114,889	1913	5,936	387,878
1902	2,952	89,080	1914	2,214	156,712
1903	2,612	89,000	1915	2,270	111,192
1904	4,574	152,445	1916	7,102	564,253
1905	(1)	(1)	1917	8,334	714,100
1906	2,840	121,800	1918	9,104	1,227,075
1907	(1)	(1)	1919	9,525	1,278,809
1908	(1)	(1)	1920	8,548	524,300
1909	(1)	(1)	1921	6,918	867,413
1910	(1)	(1)			

[1] No statistics available.

[Navigation season: Entire year.]

Freight traffic, 1921.

DOMESTIC.

Classes of commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL, SHIPMENTS.					
Animals and animal products	.....	.....	139	.....	$40,149
Cattle	.....	24	.....	$2,880	.....
Chickens	.....	1	.....	207	.....
Eggs	.....	2	.....	702	.....
Furs, raw	.....	10	.....	10,000	.....
Horses	.....	32	.....	6,920	.....
Meats, fresh	.....	5	.....	1,500	.....
Produce	.....	65	.....	17,940	.....
Vegetable food products	.....	.....	99	.....	2,940
Melons	.....	75	.....	1,500	.....
Potatoes	.....	24	.....	1,440	.....
Total shipments	.....	238	238	.....	43,089

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SABINE RIVER, TEX.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL, RECEIPTS.					
Animals and animal products: Cattle		6,000	6,000	$720,000	$720,000
Vegetable food products			50		8,568
Feed		24		768	
Groceries		26		7,800	
Wood and paper			154		1,982
Cord wood		120		1,200	
Lumber		34		782	
Nonmetallic minerals			201		4,274
Coal		20		280	
Oil, crude and fuel	142			1,846	
Oil, gasoline and kerosene		39		2,148	
Ores, metals and manufactures: Hardware		111	111	33,300	33,300
Machinery and vehicles: Machinery		154	154	46,200	46,200
Chemicals		10	10	10,000	10,000
Total receipts	142	6,538	6,680		824,324
Total shipments and receipts	142	6,776	6,918		867,413

Vessel classification, 1921.

Class.	Arrivals and departures.	Total tonnage.	Passengers.	Average draft loaded.
				Feet.
Registered: Launches	416	3,744	450	3
Unregistered:				
Barges	130	6,480		3
Launches	53	480		2
Total	599	10,704	450	

TRINITY RIVER, TEX.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1891	9,954	$47,034	1907	(1)	(1)
1892	9,584	61,810	1908	(1)	(1)
1893	9,306	52,907	1909	(1)	(1)
1894	7,682	68,272	1910	(1)	(1)
1895	9,858	56,497	1911	(1)	(1)
1896	7,721	37,846	1912	60,677	$768,116
1897	6,828	59,606	1913	27,147	406,428
1898	9,858	56,497	1914	12,610	102,394
1899	(1)	(1)	1915	6,902	130,483
1900	(1)	(1)	1916	4,841	192,016
1901	16,390	106,325	1917	11,066	133,844
1902	8,800	45,000	1918	5,488	119,075
1903	22,120	232,050	1919	1,855	89,235
1904	(1)	(1)	1920	[2] 764	19,428
1905	(1)	(1)	1921	(1)	(1)
1906	(1)	(1)			

[1] No statistics available. [2] 387 tons of this consisted of logs floated or towed.

[Navigation season: Entire season in pools formed by 7 completed locks and dams and in lower tidal portion. During rises from Dallas, Tex., to mouth.]

No commerce was reported for 1921 due to the inactivity of lumbering interests.

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BRAZOS RIVER, TEX., FROM OLD WASHINGTON TO WACO.

Comparative statement of traffic.

There has been no commerce reported on this portion of the river.

[Navigation season: Dependent entirely upon rains.]

No commerce has been reported for the year.

RED RIVER FROM FULTON, ARK., TO MOUTH OF WASHITA RIVER, OKLA.

Comparitive statement of traffic.

Year.	Red River above Fulton.		Klamichi River.			
			Carried in vessels.		Logs floated.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
1891	2,223	$265,000	(1)	(1)	(1)	(1)
1892	4,227	397,280	(1)	(1)	(1)	(1)
1894	38,826	133,000	(1)	(1)	(1)	(1)
1895	39,648	193,000	(1)	(1)	(1)	(1)
1912	13,832	45,250	(1)	(1)	(1)	(1)
1913	3,115	16,645	(1)	(1)	(1)	(1)
1914	1,318	10,425	1,135	$15,380	.....	.....
1915	1,264	4,280	812	8,645	.....	.....
1916	(1)	(1)	392	5,345	2,091	$64,821
1917	(1)	(1)	16	2,750	.....	.....
1918	(1)	(1)	(1)	(1)	(1)	(1)
1919	(1)	(1)	.....	.....	544	8,160
1920	(1)	(1)	93	21,125	.....	.....
1921	(1)	(1)	175	12,798	.....	.....

[1] No statistics available.

Passengers carried, 1920, 500; 1921, 780.

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KIAMICHI RIVER, OKLA.

[Navigation season: During rises except in lower portion entire year.]

Freight traffic, 1921.

DOMESTIC INTERNAL.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS AND SHIPMENTS.					
Animals and animal products			9½		$5,075
Dairy products		½		$150	
Eggs		5		3,730	
Fish and oysters		½		100	
Hides		½		150	
Live stock		2		320	
Poultry		1½		625	
Vegetable food products			26		1,300
Feed		5		300	
Fruits and nuts		1		300	
Hay and straw		20		700	
Textiles: Dry goods		1	1	1,000	1,000
Wood and paper			119		1,325
Cordwood	100			1,100	
Fence posts	19			225	
Nonmetallic minerals			3½		84
Coal		½		5	
Oil		2		60	
Lime		1		19	
Ores metals and manufactures of			4½		464
Castings		4		390	
Hardware		½		74	
Machinery and vehicles			6½		1,950
Engines		2		600	
Implements		½		150	
Vehicles		4		1,200	
Chemicals: Paint		½	½	100	100
Unclassified: Household goods		5	5	1,500	1,500
Total	119	56	175	12,798	12,798

From data received it is impossible to divide this commerce into shipments and receipts.

All commerce is between points from Sawyer, Okla. (St. L. & S. F. R. R. bridge) and the mouth of river, a distance of 24 miles.

Average haul, miles and rate per ton-mile, unknown.

SUMMARY.

Classes of commodities.	Domestic tons.	Internal value.
Animals and animal products	9½	$5,075
Vegetable food products	26	1,300
Textiles	1	1,000
Wood and paper	119	1,325
Nonmetallic minerals	3½	84
Ores, metals and manufactures of	4½	464
Machinery and vehicles	6½	1,950
Chemicals	½	100
Unclassified	5	1,500
Total	175	12,798

Vessel classification, 1921.

Classes.	Number.	Tonnage.	Average draft loaded.
			Feet.
Gasoline launches	1	6	2½

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CYPRESS BAYOU AND WATERWAY BETWEEN JEFFERSON, TEX., AND SHREVEPORT, LA.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1897	578	$53,600	1909	2,112	$298,230
1898	(1)	(1)	1910	11,543	1,620,496
1899	(1)	(1)	1911	14,258	1,570,035
1900	(1)	(1)	1912	9,331	531,508
1901	(1)	(1)	1913	44,475	996,103
1902	(1)	(1)	1914	32,990	956,530
1903	4,550	27,150	1915	11,444	641,361
1904	1,849	9,100	1916	19,460	1,962,009
1905	5,897	32,320	1917	28,290	3,576,298
1906	(1)	(1)	1918	14,747	2,139,205
1907	(1)	(1)	1919	11,638	2,084,890
1908	(1)	(1)	1920	16,546	1,542,050
			1921	11,420	1,121,580

[1] No statistics available.

Passengers carried, 1920, 150.

[Navigation season: Entire year from Caddo Lake Dam to Jefferson, Tex. (43 miles). From Caddo Lake Dam to Red River navigable only during high water (23 miles).]

Freight traffic, 1921.

DOMESTIC, INTERNAL.

[Average haul, approximately 10 miles.]

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS AND SHIPMENTS.					
Vegetable food products			52		$4,385
Hay and straw		17		$595	
Nuts		5		2,500	
Oats		30		1,290	
Wood and paper			6,658		85,800
Logs and piling	5,527			66,324	
Lumber	1,048			17,816	
Tanks, wooden		83		1,660	
Nonmetallic minerals			241		6,211
Cement		10		280	
Crude oil	78			780	
Refined oil		102		5,100	
Sand and gravels	51			51	
Ores, metals, and manufactures of: Casing, pipe		1,600	2,913	275,200	557,684
Hardware		8		2,368	
Iron and steel		546		52,416	
Tools		759		227,700	
Machinery and vehicles			721		216,300
Boilers		135		40,500	
Drilling machinery		437		131,100	
Engines		101		30,300	
Pumps		48		14,400	
Chemicals: Paint		7	7	2,800	2,800
Unclassified			828		248,400
Oil well supplies		615		184,500	
Household goods		4		1,200	
Not itemized	209			62,700	
Total	6,913	4,507	11,420	1,121,580	1,121,580

From data received it is impossible to divide this commerce into receipts and shipments. All commerce is carried by companies operating their own industries in the vicinity of Mooringsport, La., and Jefferson, Tex.

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CYPRESS BAYOU AND WATERWAY BETWEEN JEFFERSON, TEX., AND SHREVEPORT, LA.—continued.

SUMMARY.

Classes of commodities.	Domestic, tons.	Internal, value.
Vegetable food products	52	$4,385
Wood and paper	6,658	85,800
Nonmetallic minerals	241	6,211
Ores, metals, and manufactures of	2,913	557,684
Machinery and vehicles	721	216,300
Chemicals	7	2,800
Unclassified	828	248,400
Total	11,420	1,121,580

Vessel classification, 1921.

Classes.	Number.	Tonnage.	Average draft, loaded.
			Feet.
Tugs	4	31½	3
Gasoline launches	37	74	2
Barges	15	502	2½

VICKSBURG, MISS., DISTRICT.

RED RIVER BELOW FULTON, ARK.

Comparative statement of traffic.

Year.	Tons.			Value.	Passengers.
	Floated logs.	Other commerce.	Cargoes in transit.		
1916	19,264	14,040	9,718	$1,750,890	862
1917	.....	20,859	52,595	4,370,588	.....
1918	2,000	10,688	25,466	3,598,279	98
1919	.....	7,130	20,575	6,560,829	937
1920	.....	102	7,281	[1] 1,758,688	.....
1921	.....	3,600	9,449	[1] 2,327,685	.....

[1] Includes values of cargoes in transit, viz, 1920, $1,718,288; 1921, $2,250,125.

Freight traffic, 1921.

[Navigation season: From Jan. 1 to Dec. 31.]

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND, INTERNAL.							
Animals and animal products:						*Miles.*	*Cents.*
Fish	.....	58	58	$23,200	$23,200	110	(1)
Vegetable food products	.....	.....	92	.....	21,360	.....	.....
Hay	.....	24	.....	960	.....	110	(1)
Provisions	.....	68	.....	20,400	.....	110	(1)
Total upbound	.....	150	150	.....	44,560	.....	.....
DOWNBOUND, INTERNAL.							
Wood and paper: Railroad ties	3,450	.....	3,450	33,000	33,000	54	3.5

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RED RIVER BELOW FULTON, ARK.—continued.

CARGOES IN TRANSIT.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Cotton	821	$492,600	Hides	95	$47,500
Cotton seed	1,510	45,300	Cottonseed meal	225	6,750
Grain	430	28,165	Cement	20	400
Provisions	2,070	621,000	Lumber	180	4,500
Hay	385	15,400	Shingles	153	9,945
Cattle	99	9,900	Staves	150	1,500
Hogs	375	112,500	Unclassified	2,770	831,000
Poultry	55	22,000			
Brick	111	1,665	Total	9,449	2,250,125

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	58	$23,200			58	$23,200
Vegetable food products	92	21,360			92	21,360
Wood and paper			3,450	$33,000	3,450	33,000
Total	150	44,560	3,450	33,000	3,600	77,560

	Short tons.	Value.
Cargoes in transit, total	9,449	$2,250,125

Vessel classification, 1921.

Classes.	Average draft.	American.	Net tonnage.
Registered:			
Steam	4.0	2	244
Gasoline	3.5	2	29
Unregistered:			
Gasoline	2.0	1	5
Barges	(1)	1	50
Total		6	328

[1] Not reported.

OUACHITA AND BLACK RIVERS, ARK. AND LA.

Comparative statement of traffic.

Year.	Tons.			Value.	Passengers.
	Floated logs.	Other commerce.	Cargoes in transit.		
1916	45,104	94,422		$2,874,163	866
1917	4,800	155,222	18,114	4,981,895	1,493
1918	1,408	110,371	10,656	4,225,733	144
1919	8,876	112,666	26,047	5,583,289	338
1920	17,005	70,580	23,555	[1] 2,964,902	
1921	1,350	69,756	4,202	[1] 3,103,777	

[1] Includes value of cargoes in transit, viz: 1920, $643,964; 1921, $484,280.

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OUACHITA AND BLACK RIVERS, ARK. AND LA.—continued.

[Navigation season, from Jan. 1 to Dec. 31.]

Freight traffic, 1921.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND, INTERNAL.						*Miles.*	*Cents.*
Vegetable food products			3,575		$803,000		
Cottonseed meal		225		$6,750		115	2
Grain		460		30,130		67	4
Hay		388		15,520		115	2
Provisions		2,502		750,600		100	6
Nonmetallic minerals			108		1,755		
Brick	81			1,215		115	2
Cement		27		540		115	2
Unclassified		1,325	1,325	397,500	397,500	115	2
Total upbound	81	4,927	5,008		1,202,255		
DOWNBOUND, INTERNAL.							
Animals and animal products			637		195,900		
Cattle		99		9,900		115	2
Hides		95		47,500		115	2
Hogs		387		116,100		115	2
Poultry		56		22,400		115	2
Vegetable food products: Cotton seed		665	665	19,950	19,950	115	2
Textiles: Cotton		489	489	293,400	293,400	74	4½
Wood and paper			58,972		499,492		
Logs, hardware	56,818			454,544		28	3⅛
Logs, softwood [1]	1,350			24,300			
Lumber	516			12,900		52	3¾
Shingles		138		6,248		115	2
Staves	150			1,500		115	2
Nonmetallic minerals: Sand	4,000		4,000	8,000	8,000		
Unclassified		1,335	1,335	400,500	400,500	115	2
Total downbound	62,834	3,264	66,098	1,417,242	1,417,242		

[1] Rafted.

CARGOES IN TRANSIT.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Cotton	541	$324,600	Shingles	48	$4,590
Cotton seed	1,050	31,500	Staves	75	750
Grain	30	1,965	Timber, rafted	1,575	28,350
Provisions	120	36,000	Fertilizer	5	175
Hay	75	3,000	Unclassified	128	38,400
Hogs	5	1,500			
Brick	30	450			
Lumber	520	13,000	Total	4,202	484,280

SUMMARY.

Classes of commodities.	Upbound.		Down bound		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			637	$195,900	637	$195,900
Vegetable food products, oil seeds	3,575	$803,000	665	19,950	4,240	822,950
Textiles			489	293,400	489	293,400
Wood and paper			58,972	499,492	58,972	499,492
Nonmetallic minerals	108	1,755	4,000	8,000	4,108	9,755
Unclassified	1,325	397,500	1,335	400,500	2,660	798,000
Total	5,008	1,202,255	66,098	1,417,242	71,106	2,619,497

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OUACHITA AND BLACK RIVERS, ARK. AND LA.—continued.

SUMMARY—Continued.

	Short tons.	Value.
Cargoes in transit	4,202	$484,280

Vessel classification, 1921.

Classes.	Average draft.	American.	Net tonnage.
Registered:	*Feet.*		
Steam	4	3	335
Gasoline	3	5	122
Unregistered:			
Gasoline	3	4	32
Barges	5	20	(1)
Rafts	(1)	(1)	1,350
Total		32	1,839

[1] Not reported.

TENSAS RIVER AND BAYOU MACON, LA.

Comparative statement of traffic.

Year.	Tons.		Value.	Passengers.
	Floated logs.	Other commerce.		
1916	8,032	168	$25,318	
1917		8,344	115,230	
1918		20,745	301,926	
1919	4,914	68,269	1,716,523	417
1920	11,740	90,982	960,560	
1921	3,841	2,928	[1] 128,656	

[1] Decrease due to sawmills not operating.

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TENSAS RIVER AND BAYOU MACON, LA.—continued.

[Navigation season: From Jan. 1 to Dec. 31.]

Freight traffic, 1921.

Classes and commodities.	Amount in short tons.			Value.		Average haul.	Rate per ton-mile.
	By commodities.		By classes.	By commodities.	By classes.		
	Bulk.	Package.					
UPBOUND, INTERNAL.						*Miles.*	*Cents.*
Vegetable food products			170		$8,738		
Provisions		5		$1,500		27	11
Grain		25		1,638		27	11
Hay		140		5,600		27	11
Total upbound		170	170		8,738		
DOWNBOUND, INTERNAL.							
Animals and animal products: Hogs		19	19	5,700	5,700	22	4
Vegetable food products: Cotton seed		496	496	14,880	14,880	22	4
Textiles: Cotton		43	43	12,600	12,600	22	4
Wood and paper			6,041		86,738		
Logs, hardwood	2,200			17,600		22	4
Logs, softwood [1]	3,841			69,138		22	4
Total, down bound	6,041	558	6,599		119,918		

[1] Rafted

SUMMARY.

Classes of commodities.	Upbound.		Down bound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			19	$5,700	19	$5,700
Vegetable food products	170	$8,738	496	14,880	666	23,618
Textiles			43	12,600	43	12,600
Wood and paper			6,041	86,738	6,041	86,738
Total	170	8,738	6,599	119,918	6,769	128,656

Vessel classification, 1921.

Classes.	Average draft.	American.	Net tonnage
Registered:	*Feet.*		
Steam	4.0	1	91
Gasoline	3.0	1	8
Unregistered:			
Gasoline	2.5	1	30
Barges	(1)	4	360
Rafts	(1)	(1)	3,841
Total		7	4,330

[1] Not reported.

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BOEUF RIVER, LA.

Comparative statement of traffic.

Year.	Amount in tons.	Value.	Passengers.
1917	2,649	$283,513	21
1918	2,818	279,860	.....
1919	3,395	509,353	.....
1920	2,633	331,567	.....
1921	1,495	302,835	.....

[Navigation season: From Jan. 1 to July 1.]

Freight traffic, 1921.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND, INTERNAL.							
						Miles.	*Cents.*
Vegetable food products: Provisions	.....	70	70	$21,000	$21,000	15	1.5
Nonmetallic minerals: Brick	30	.....	30	450	450	15	1.5
Unclassified	.....	120	120	36,000	36,000	15	1.5
Total upbound	30	190	220	.....	57,450	.....	.....
DOWNBOUND, INTERNAL.							
Animals and animal products: Hogs	.....	5	5	1,500	1,500	15	1.5
Vegetable food products: Cotton seed	.....	885	885	26,550	26,550	15	1.5
Textiles: Cotton	.....	355	355	213,000	213,000	15	1.5
Wood and paper: Shingles	.....	30	30	4,335	4,335	15	1.5
Total downbound	.....	1,275	1,275	.....	245,385	.....	.....

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	.....	.....	5	$1,500	5	$1,500
Vegetable food products	70	$21,000	885	26,550	955	47,550
Textiles	.....	.....	355	213,000	355	213,000
Wood and paper	.....	.....	30	4,335	30	4,335
Nonmetallic minerals	30	450	.....	.....	30	450
Unclassified	120	36,000	.....	.....	120	36,000
Total	220	57,450	1,275	245,385	1,495	302,835

Vessel classification, 1921.

Classes.	Average draft.	American.	Net tonnage.
	Feet.		
Registered: Steam	4	2	244

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BAYOU BARTHOLOMEW, LA.

Comparative statement of traffic.

Year.	Amount in tons.		Value.
	Floated logs.	Other commerce.	
1917	7,500	4,526	$97,680
1918	3,000	6,014	60,070
1919	732	.....	14,640
1920	1,575	.....	28,350
1921	1,350	455	122,715

[Navigation season: From Jan. 1 to July 31.]

Freight traffic, 1921.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
UPBOUND, INTERNAL.						*Miles.*
Vegetable food products	.....	.....	105	.....	$17,965	.....
Grain	.....	30	.....	$1,965	.....	105
Hay	.....	25	.....	1,000	.....	105
Provisions	.....	50	.....	15,000	.....	105
Total upbound	.....	105	105	.....	17,965	.....
DOWNBOUND, INTERNAL.						
Vegetable food products: Cotton seed	.....	100	100	3,000	3,000	105
Textiles: Cotton	.....	125	125	75,000	75,000	105
Wood and paper	.....	.....	1,475	.....	26,750	.....
Logs, softwood	1,350	.....	.....	24,300	.....	105
Lumber	75	.....	.....	1,875	.....	105
Shingles	.....	18	.....	255	.....	105
Staves	32	.....	.....	320	.....	105
Total downbound	1,457	243	1,700	.....	104,750	.....

SUMMARY.

Classes of commodities.	Upbound.		Down bound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products	105	$17,965	100	$3,000	205	$20,965
Textiles	.....	.....	125	75,000	125	75,000
Wood and paper	.....	.....	1,475	26,750	1,475	26,750
Total	105	17,965	1,700	104,750	1,805	122,715

Vessel classification, 1921.

Classes.	Net tonnage.
Unregistered: Rafts	1,350

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SALINE RIVER, ARK.

Comparative statement of traffic.

Year.	Amount in tons.		Value.
	Floated logs.	Other commerce.	
1917	3,000	.....	$30,000
1918[1]	.....	.....	.....
1919	675	3,610	31,110
1920	675	6,931	67,596
1921	.....	5,080	40,640

[1] Not reported.

[Navigation season: From Jan. 1 to July 31 and the month of December.]

Freight traffic, 1921.

Classes and commodities.	Amounts in short tons.		Value.		Average haul.
	By commodities (bulk).	By classes.	By commodities.	By classes.	
DOWNBOUND, INTERNAL.					*Miles.*
Wood and paper: Logs, hardwood	5,080	5,080	$40,640	$40,640	40

Vessel classification, 1921.

Classes.	Average draft.	American.	Net tonnage.
	Feet.		
Registered: Gasoline	3	1	33
Unregistered: Barges	(1)	1	100
Total	.....	2	133

[1] Not reported,

BAYOUS D'ARBONNE AND CORNEY, LA.

Comparative statement of traffic.

Year.	Amount in tons.		Value.	Passengers.
	Floated logs.	Other commerce.		
1917	800	1,143	$104,257	.....
1918	305	4,872	488,700	.....
1919	7,975	10,773	785,061	.....
1920	8,427	3,187	288,524	.....
1921	225	1,435	53,870	300

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BAYOUS D'ARBONNE AND CORNEY, LA.—continued.

[Navigation season: From Jan. 1 to July 31.]

Freight traffic, 1921.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND, INTERNAL.						*Miles.*	*Cents.*
Vegetable food products: Hay	.....	25	25	$1,000	$1,000	18	8
Chemicals: Fertilizer	.....	5	5	175	175	18	8
Unclassified	.....	8	8	2,400	2,400	18	8
Total upbound	.....	38	38	.....	3,575	.....	.....
DOWNBOUND, INTERNAL.							
Vegetable food products: Cotton seed	.....	50	50	1,500	1,500	24	7
Textiles: Cotton	.....	40	40	24,000	24,000	24	7
Wood and paper	.....	.....	1,532	.....	24,795	.....	.....
Logs, softwood[1]	225	.....	.....	4,050	.....	24	7
Lumber	445	.....	.....	11,125	.....	24	7
Railroad ties	700	.....	.....	8,000	.....	24	7
Staves	162	.....	.....	1,620	.....	24	7
Total downbound	1,532	90	1,622	.....	50,295	.....	.....

[1] Rafted.

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products	25	$1,000	50	$1,500	75	$2,500
Textiles	.....	.....	40	24,000	40	24,000
Wood and paper	.....	.....	1,532	24,795	1,532	24,795
Chemicals	5	175	.....	.....	5	175
Unclassified	8	2,400	.....	.....	8	2,400
Total	38	3,575	1,622	50,295	1,660	53,870

Vessel classification, 1921.

Classes.	Average draft.	American.	Net tonnage.
Unregistered:	*Feet.*		
Gasoline	3	2	23
Barges	5	5	355
Rafts	(1)	(1)	225
Total	.....	7	603

[1] Not reported.

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OUACHITA RIVER, ARK. AND LA., LOCK AND DAM NO. 3.

Comparative statement of traffic.

Year.	Tons.		Value.	Passengers.
	Floated logs.	Other commerce.		
1917 [1]				
1918 [1]				
1919	2,582		$41,310	(2)
1920	2,248	64	36,968	22
1921	385	86	31,758	

[1] Not operating. [2] Not reported.

[Navigation season: From July 6 to Nov. 30.]

Freight traffic, 1921.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
UPBOUND—INTERNAL.						*Miles.*
Animals and animal products: Fish	2		2	$800	$800	12
Vegetable food products			22		5,428	
Grain		5		328		20
Provisions		17		5,100		20
Unclassified		10	10	3,000	3,000	20
Total upbound	2	32	34		9,228	
DOWNBOUND—INTERNAL.						
Wood and paper: Logs, softwood	385		385	6,930	6,930	20
Unclassified		52	52	15,600	15,600	20
Total downbound	385	52	437		22,530	

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	2	$800			2	$800
Vegetable food products: Oil seeds	22	5,428			22	5,428
Wood and paper			385	$6,930	385	6,930
Unclassified	10	3,000	52	15,600	62	18,600
Total	34	9,228	437	22,530	471	31,758

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OUACHITA RIVER, ARK. AND LA., POOL NO. 8, OUACHITA RIVER LOCK AND DAM NO. 8.

Comparative statement of traffic.

Year.	Commerce.	Value.
	Tons.	
1917	32,408	$162,040
1918	44,520	222,600
1919	60,420	409,950
1920	61,270	491,160
1921	12,500	100,000

[Navigation season: From June 21 to Dec. 31.]

Freight traffic, 1921.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
DOWNBOUND—INTERNAL.							
Wood and paper: Logs, hardwood	12,500	.....	12,500	$100,000	$100,000	*Miles.* 7	*Cents.* 4

Vessel classification, 1921.

Classes.	Average draft.	American.	Net tonnage.
Unregistered:	*Feet.*		
Gasoline	2.5	1	9
Barges	(1)	2	200
Total	.....	3	209

[1] Not reported.

YAZOO RIVER, MISS.

Comparative statement of traffic.

Year.	Tons.			Value.	Passengers.
	Floated Logs.	Other commerce.	Cargoes in transit.		
1916	62,078	80,156	.....	$2,016,350	.....
1917	1,750	60,303	40,365	2,318,401	50
1918	4,599	91,878	22,396	5,076,613	.....
1919	6,202	35,875	74,098	7,811,663	.....
1920	10,679	67,511	96,649	[1] 5,313,204	22
1921	26,942	52,328	39,182	[1] 5,660,081	.....

[1] Includes value of cargoes in transit, viz: 1920, $4,070,948; 1921, $4,516,093.

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YAZOO RIVER, MISS.—continued.

[Navigation season: From Jan. 1 to Dec. 31.]

Freight traffic, 1921.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND, INTERNAL.						*Miles.*	*Cents.*
Vegetable food products			213		$49,739		
Cottonseed hulls		16		$320		50	1.5
Grain		18		1,179		50	1.5
Hay		21		840		50	1.5
Provisions		158		47,400		50	1.5
Nonmetallic minerals: Cement		1	1	20	20	50	1.5
Chemicals: Fertilizer		1	1	35	35	50	1.5
Unclassified		5	5	1,500	1,500	50	1.5
Total upbound		220	220		51,294		
Vegetable food products: Cotton seed		1,071	1,071	32,130	32,130	60	5
Textiles: Cotton		162	162	97,200	97,200	125	3
Wood and paper			72,217		847,864		
Logs, hardwood	45,234			361,872		50	1.5
Logs, softwood [1]	26,942			484,956		50	1.5
Lumber	37			925		50	1.5
Shingles		4		111		50	1.5
Nonmetallic minerals: Sand	5,250		5,250	10,500	10,500	70	1¼
Unclassified		350	350	105,000	105,000	125	3¼
Total downbound	77,463	1,587	79,050		1,092,694		

CARGOES IN TRANSIT.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Cotton	194	$116,400	Staves	10	$100
Cotton seed	1,236	37,080	Timber, barged	18,000	144,000
Grain	2,023	132,507	Timber, rafted	2,550	45,900
Provisions	7,833	2,349,900	Mules	4	1,600
Hay	503	20,120	Cottonseed hulls	16	320
Cattle	46	4,600	Fertilizer	214	7,490
Lime and cement	19	380	Unclassified	5,428	1,628,400
Sand	18	36			
Lumber	1,087	27,175	Total	39,182	4,516,093
Shingles	1	85			

SUMMARY.

Classes of commodities.	Upbound.		Down bound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products	213	$49,739	1,071	$32,130	1,284	$81,869
Textiles			162	97,200	162	97,200
Wood and paper			72,217	847,864	72,217	847,864
Nonmetallic minerals	1	20	5,250	10,500	5,251	10,520
Chemicals	1	35			1	35
Unclassified	5	1,500	350	105,000	355	106,500
Total	220	51,294	79,050	1,092,694	79,270	1,143,988

	Short tons.	Value.
Cargoes in transit	39,182	$4,516,093

[1] Rafted.

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YAZOO RIVER, MISS.—continued.

Vessel classification, 1921.

Classes.	Average draft.	American.	Net tonnage.
Registered:	*Feet.*		
Steam	3.0	7	318
Gasoline	3.0	1	14
Unregistered:			
Steam	4.0	1	150
Barges	3.5	13	(1)
Rafts	(1)	(1)	29,492
Total		22	29,974

[1] Not reported.

TCHULA LAKE, MISS.

Comparative statement of traffic.

Year.	Commerce.	Value.
	Tons.	
1917	7,982	$39,910
1919	8,170	49,020
1920	14,200	113,600
1921	12,120	96,960

[Navigation season: From Jan. 1 to July 31.]

Freight traffic, 1921.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities (bulk).	By classes.	By commodities.	By classes.
DOWNBOUND, INTERNAL.				
Wood and paper: Logs, hardwood	12,120	12,120	$96,960	$96,960

Vessel classification, 1921.

Classes.	Average draft.	American.	Net tonnage.
	Feet.		
Registered: Steam	2.5	1	36
Unregistered: Barges	5.0	2	500
Total		3	536

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TALLAHATCHIE AND COLDWATER RIVERS, MISS.

Comparative statement of traffic.

Year.	Amount in tons.		Value.
	Floated logs.	Other commerce.	
1917	22,500	38,158	$3,350,050
1918	7,500	26,758	3,866,570
1919	27,000	41,528	5,222,300
1920	.....	22,444	3,043,825
1921	.....	5,291	[1] 761,847

[1] Packet boats stopped running.

[Navigation season, from Jan. 1 to Dec. 31.]

Freight traffic, 1921.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND, INTERNAL.						*Miles.*	*Cents.*
Vegetable food products	.....	.....	266	.....	$41,392	.....	.....
Grain	.....	64	.....	$4,192	.....	75	5
Hay	.....	90	.....	3,600	.....	75	5
Provisions	.....	112	.....	33,600	.....	75	5
Nonmetallic minerals: Cement	.....	20	20	400	400	75	5
Chemicals: Fertilizer	.....	25	25	875	875	75	5
Total upbound	.....	311	311	.....	42,667	.....	.....
DOWNBOUND, INTERNAL.							
Vegetable food products: Cotton seed	.....	3,900	3,900	$117,000	$117,000	75	5
Textiles: Cotton	.....	1,000	1,000	600,000	600,000	75	5
Wood and paper	.....	.....	80	.....	2,180	.....	.....
Lumber	60	.....	.....	1,500	.....	75	5
Shingles	.....	20	.....	680	.....	75	5
Total downbound	60	4,920	4,980	.....	719,180	.....	.....

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products	266	$41,392	3,900	$117,000	4,166	$158,392
Textiles	.....	.....	1,000	600,000	1,000	600,000
Wood and paper	.....	.....	80	2,180	80	2,180
Nonmetallic minerals	20	400	.....	.....	20	400
Chemicals	25	875	.....	.....	25	875
Total	311	42,667	4,980	719,180	5,291	761,847

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TALLAHATCHIE AND COLDWATER RIVERS, MISS.—continued.

Vessel classification, 1921.

Classes.	Average draft.	American.	Net tonnage.
	Feet.		
Registered: Steam	4.0	1	95
Unregistered: Barges	4.5	1	175
Total		2	270

BIG SUNFLOWER RIVER, MISS.

Comparative statement of traffic.

Year.	Amount in tons.		Value.
	Floated logs.	Other commerce.	
1917		$61,407	$1,468,532
1918		18,583	1,681,273
1919	2,317	38,871	2,019,466
1920		64,166	3,975,172
1921	2,550	36,632	4,516,093

[Navigation season: From Jan. 1 to Dec. 31.]

Freight traffic, 1921.

Class and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND, INTERNAL.							
Animals and animal products:						*Miles.*	*Cents.*
Mules		4	4	$1,600	$1,600	125	2
Vegetable food products			10,375		2,502,847		
Cottonseed hull		16		320		64	2
Grain		2,023		132,507		64	2
Hay		503		20,120		64	2
Provisions		7,833		2,349,900		64	2
Nonmetallic minerals: Cement		19	19	380	380	125	2
Chemicals: Fertilizer		214	214	7,490	7,490	50	7
Unclassified		5,428	5,428	1,628,400	1,628,400	64	2
Total upbound		16,040	16,040		4,140,717		
DOWNBOUND, INTERNAL.							
Animals and animal products:							
Cattle		46	46	4,600	4,600	51	3
Vegetable food products: Cotton seed		1,236	1,236	37,080	37,080	51	3
Textiles: Cotton		194	194	116,400	116,400	51	3
Wood and paper			21,648		217,260		
Logs, hardwood	18,000			144,000		51	2
Logs, softwood [1]	2,550			45,900		51	2
Lumber	1,087			27,175		51	2
Shingles		1		85		51	2
Staves	10			100		51	2
Nonmetallic minerals: Sand	18		18	36	36	51	3
Total downbound	21,665	1,477	23,142		375,376		

[1] Rafted.

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BIG SUNFLOWER RIVER, MISS.—continued.

SUMMARY.

Classes of commodities.	Upbound.		Downbound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	4	$1,600	46	$4,600	50	$6,200
Vegetable food products	10,375	2,502,847	1,236	37,080	11,611	2,539,927
Textiles			194	116,400	194	116,400
Wood and paper			21,648	217,260	21,648	217,260
Nonmetallic minerals	19	380	18	36	37	416
Chemicals	214	7,490			214	7,490
Unclassified	5,428	1,628,400			5,428	1,628,400
Total	16,040	4,140,717	23,142	375,376	39,182	4,516,093

Vessel classification, 1921.

Classes.	Average draft.	American.	Net tonnage.
Registered:	*Feet.*		
Steam	3.0	2	99
Gasoline	3.0	2	28
Unregistered:			
Barges	3.8	8	1,200
Rafts	(1)	(1)	2,550
Total		12	3,877

[1] Not reported.

STEELE AND WASHINGTON BAYOUS AND LAKE WASHINGTON, MISS.

Comparative statement of traffic.

Year.	Amount in short tons.		Value.
	Floated logs.	Other commerce.	
1917	7,506	2,420	$54,660
1918	24,789	2,641	223,570
1919	5,513	11,243	157,693
1820	12,130	3,713	341,263
1921	2,386	2,276	61,156

Freight traffic, 1921.

Classes and commodities.	Amounts in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities (bulk).	By classes.	By commodities.	By classes.		
DOWNBOUND, INTERNAL.					*Miles.*	*Cents.*
Wood and paper		4,662		$61,156		
Logs, hardwood	2,276		$18,208		47	2
Logs, softwood [1]	2,386		42,948		47	2
Total downbound	4,662	4,662		61,156		

[1] Rafted.

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STEELE AND WASHINGTON BAYOUS AND LAKE WASHINGTON, MISS.—con.

Vessel classification, 1921.

Classes.	Average draft.	American.	Net tonnage.
	Feet.		
Registered:			
Steam	3.0	2	122
Gasoline	2.5	1	14
Unregistered:			
Barges	4.5	1	250
Rafts	(1)	(1)	2,386
Total		4	2,772

[1] Not reported.

MOUTH OF YAZOO RIVER, MISS.

Comparative statement of traffic.

Year.	Amount in tons.		Value.	Passengers.
	Floated logs.	Other commerce.		
1917	9,256	52,401	$1,505,192	
1918	26,827	68,994	4,172,086	
1919	13,680	51,814	2,561,510	
1920	15,179	74,018	4,392,945	22
1921	11,878	54,225	5,007,546	

[Navigation season: From Jan. 1 to Dec. 31.]

CARGOES IN TRANSIT.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Cotton	281	$168,600	Lumber	1,126	$29,150
Cotton seed	2,007	60,210	Shingles	5	195
Grain	2,036	133,358	Staves	10	100
Provisions	7,986	2,395,800	Timber, barged	28,930	231,440
Hay	522	20,880	Timber, rafted	11,878	213,804
Cottonseed hulls	32	640	Fertilizer	215	7,525
Lime and cement	20	400	Unclassified	5,783	1,734,900
Sand	5,272	10,544	Total	66,103	5,007,546

Vessel classification, 1921.

All cargoes carried in transit and vessels reported on other projects.

OPERATING AND CARE OF CANALS, BIG SUNFLOWER RIVER LOCK AND DAM, MISS.

Comparative statement of traffic.

Year.	Tons.	Value.	No. of lockages.	Year.	Tons.	Value.	No. of lockages.
1917				1920	11,324	2,070,222	90
1918	686	$142,068		1921	16,164	4,137,691	
1919	14,085	732,811					

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OPERATING AND CARE OF CANALS, BIG SUNFLOWER RIVER LOCK AND DAM, MISS.—continued.

[Navigation season, from Jan. 27 to Feb. 18 and June 6 to Dec. 31.]

Freight traffic, 1921.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND, INTERNAL.							
Animals and animal products:						*Miles.*	*Cents.*
Mules		4	4	$1,600	$1,600	125	2
Vegetable food products			10,333		2,500,173		
Cottonseed meal		10		300		125	2
Grain		2,006		131,393		125	2
Hay		487		19,480		125	2
Provisions		7,830		2,349,000		125	2
Nonmetallic minerals			28		510		
Brick	10			150		125	2
Cement		18		360		125	2
Chemicals: Fertilizer		193	193	6,755	6,755	125	2
Unclassified		5,405	5,405	1,621,500	1,621,500	125	2
Total upbound	10	15,953	15,963		4,130,538		
DOWNBOUND, INTERNAL.							
Vegetable food products: Cotton seed		60	60	1,800	1,800	125	2
Textiles: Cotton		4	4	2,400	2,400	125	2
Wood and paper			123		2,925	125	2
Lumber	113			2,825			
Staves	10			100			
Nonmetallic minerals: Sand	14		14	28	28	125	2
Total, downbound	137	64	201		7,153		

SUMMARY.

Classes of commodities.	Upbound.		Down bound.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	4	$1,600			4	$1,600
Vegetable food products	10,333	2,500,173	60	$1,800	10,393	2,501,973
Textiles			4	2,400	4	2,400
Wood and paper			123	2,925	123	2,925
Nonmetallic minerals	28	510	14	28	42	538
Chemicals	193	6,755			193	6,755
Unclassified	5,405	1,621,500			5,405	1,621,500
Total	15,963	4,130,538	201	7,153	16,164	4,137,691

Vessel classification, 1921.

Classes.	Average draft.	American.	Net tonnage.
	Feet.		
Registered: Gasoline	3	2	28
Unregistered: Barges	3.8	8	1,200
Total		10	1,228

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MEMPHIS, TENN., DISTRICT.

ARKANSAS RIVER, ARK. AND OKLA.

Comparative statement of traffic.

Year.	Total tons.[2]	Value.[2]	Passengers.	Floated logs.[1]
Fiscal year:				*Tons.*
1894	63,563	$2,846,395	5,700	1,240
1895	50,498	2,380,420	3,151	11,400
1896	54,261	2,408,720	1,877	18,185
1897	66,077	1,657,218	2,728	(3)
1898	58,578	1,626,756	2,189	(3)
1899	68,057	2,470,131	3,208	(3)
1900	75,654	2,078,940	2,997	(3)
1901	71,998	2,623,800	9,039	24,100
1902	40,557	1,630,297	6,575	12,200
1903	86,068	2,389,020	5,956	(3)
1904	92,041	2,079,893	17,787	(3)
1905	86,458	1,636,930	20,587	19,050
1906	103,214	1,512,719	12,382	(3)
1907	104,593	2,192,531	12,686	(3)
1908	103,919	2,150,269	1,785	(3)
1909	92,455	2,122,105	844	55,100
1910	62,172	1,630,338	656	8,100
Calendar year:				
1910	59,516	1,612,288	750	(3)
1911	81,371	1,085,018	176	32,500
1912	71,516	1,170,990	(3)	(3)
1913	55,228	573,089	207	(3)
1914	79,169	812,657	6,973	(3)
1915	39,966	800,868	542	(3)
1916	51,423	487,316	1,483	(3)
1917	38,659	682,798	2,443	10,101
1918	33,384	863,925	775	16,251
1919	23,721	187,246	3,900	4,478
1920	30,568	177,000	913	17,560
1921	32,780	103,493	.....	[4] 25,954

[1] Included in total tons.
[2] Local sand and gravel movement at towns along the river not included in statements of any annual tonnage.
[3] Not reported separately.
[4] Value of logs, floated in raft or towed in raft, $81,440.

Navigation season.—The river was open all the year. The periods of navigation for boats of 3 feet draft to Little Rock were: January 1–8; January 16 to May 29; June 8 to August 29; September 22–28; November 19–29 and December 3–8, 1921.

The highest points to and from which any navigation was reported were:

By steamboats: Crystal Hill, 11 miles above Little Rock and 188 miles above lower mouth of river.

By rafts: Morrilton, 55 miles above Little Rock and 232 miles above lower mouth of river.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
INTERNAL.						*Miles.*
Vegetable food products: Cotton seed	.....	300	300	$3,600	$3,600	75
Wood and paper	.....	.....	32,480	.....	99,893	.....
Logs in barges	5,026	.....	.....	15,078	.....	52
Logs towed in raft	6,840	.....	.....	21,231	.....	57
Logs floated in raft	19,114	.....	.....	60,209	.....	67
Willow brush	1,500	.....	.....	3,375	.....	9
Total	32,480	300	32,780	.....	103,493	55

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ARKANSAS RIVER, ARK. AND OKLA.—continued.

LOCAL TRAFFIC.

Commodities.	Amount in short tons.	Value.	Haul. (miles).
Sand and gravel	115,060	$92,500	1½-2

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Vegetable food products	300	$3,600
Wood and paper	32,480	99,893
Total [1]	32,780	103,493

[1] Local traffic, 115,060 tons sand and gravel, valued at $92,500, not included.

Vessel classification, 1921.

Classes.	Number.	Net registered tons.	Tons capacity.
AMERICAN, INLAND.			
Registered:			
Steamers	4	403	
Motor	3	45	
Unregistered: Barges, towed	13		2,275

WHITE RIVER, ARK.

Comparative statement of traffic.

	Total tons.	Value.	Passengers.	Floated logs.[1]
Fiscal year:				Tons.
1894	43,793	$1,043,438	3,289	27,584
1895	73,759	2,494,377	1,117	28,671
1896	74,882	2,056,991	2,226	53,113
1897	73,612	2,435,814	2,528	(2)
1898	102,337	1,415,013	2,607	(2)
1899	117,891	1,619,351	812	(2)
1900	134,696	2,244,222	2,375	(2)
1901	148,574	1,700,355	2,839	(2)
1902	184,066	1,242,438	1,268	75,500
1903	140,013	882,225	267	70,006
1904	193,498	1,021,778	1,632	63,850
1905	134,588	770,689	488	75,900
1906	100,083	766,138	205	52,000
1907	127,812	830,659	157	42,300
1908	161,246	962,508	301	53,600
1909	134,200	671,230	4	26,950
1910	141,771	619,718	(2)	28,354
Calendar year:				
1910	118,496	863,022	50	39,500
1911	143,285	1,448,401	255	(2)
1912	167,307	1,025,287	737	(2)
1913	264,817	1,016,305	1,111	(2)
1914	253,331	1,060,526	(3)	125,000
1915	165,230	838,414	1,069	(2)
1916	197,328	1,857,519	705	77,900
1917	205,198	1,155,107	884	104,557
1918	210,780	1,479,973	221	69,634
1919	222,335	1,654,843	117	27,760
1920	232,492	1,199,876	63	82,173
1921	171,044	876,357	(2)	[4]28,852

[1] Included in total tons.
[2] Not reported separately.
[3] Not reported.
[4] Value of logs floated in raft or towed in raft, $90,882.

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WHITE RIVER, ARK.—continued.

Navigation season.—The river was open all the year. Navigation draft was limited to 2½ feet over the shoals directly in the mouth of the river during two weeks in November, 1921. Above those shoals it was limited to 3 feet to Newport during six weeks of October and November. During the same periods the navigation drafts between Black River and Batesville were, 18 to 20 inches. During October–December loading of barges was limited to one-half to three-fourths capacity. At higher stages the customary load draft was 5½ to 6 feet.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
INTERNAL.						*Miles.*
Animals and animal products			1,461		$55,052	
Fish		510		$20,400		39
Meats, packinghouse		22		6,600		50
Shells	929			28,052		22
Vegetable food products			7,108		309,185	
Cottonseed meal		1		40		9
Hay		130		2,145		90
Oats		16		512		30
Potatoes		28		1,436		49
Rice (rough)		6,933		305,052		65
Textiles: Cotton (plantation bales)		38	38	13,300	13,300	50
Wood and paper			127,013		419,365	
Handle blanks	750			16,500		50
Handle bolts	412			1,751		21
Logs in barge	93,662			280,986		52
Logs towed in raft	2,162			6,809		10
Logs floated in raft	26,690			84,073		42
Lumber		986		12,325		46
Railway ties, barged	1,614			14,526		52
Stave bolts	737			2,395		19
Nonmetallic minerals			35,283		64,105	
Fuel oil	391			7,820		60
Gravel (road-building)	33,700			54,676		26
Paving stone	1,192			1,609		39
Unclassified			141		15,350	
Groceries		50		9,100		50
Merchandise		91		6,250		9
Total	162,239	8,805	171,044		876,357	45

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	1,461	$55,052
Vegetable food products	7,108	309,185
Textiles	38	13,300
Wood and paper	127,013	419,365
Nonmetallic minerals	35,283	64,105
Unclassified	141	15,350
Total	171,044	876,357

Vessel classification, 1921.

Classes.	Number.	Net registered tons.	Tons capacity.
AMERICAN, INLAND.			
Registered:			
Steamers	9	1,182	
Motor boats	10	160	
Unregistered, barges	34		11,383

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BLACK RIVER, ARK. AND MO.

Comparative statement of traffic.

	Total tons.	Value.	Passengers.	Floated logs and ties.[1]
Fiscal year:				*Tons*
1894	87,536	$956,982	2,008	51,675
1895	132,433	1,085,415	2,184	90,964
1896	111,278	891,437	3,710	73,812
1897	111,611	1,704,799	1,591	(2)
1898	115,612	788,640	1,252	(2)
1899	83,404	529,336	892	(2)
1900	129,698	966,961	2,145	(2)
1901	185,714	989,635	1,597	(2)
1902	166,213	919,767	1,352	115,000
1903	138,181	695,649	1,563	77,400
1904	191,285	1,092,648	480	85,800
1905	144,065	1,004,299	291	56,300
1906	139,384	625,985	544	55,600
1907	107,914	692,968	237	35,300
1908	140,826	517,905	10	39,300
1909	86,070	439,355	(3)	46,500
1910	75,677	471,219	110	21,900
Calendar year:				
1910	74,082	348,042	977	20,700
1911	95,635	298,271	205	56,500
1912	76,391	267,603	715	24,000
1913	199,535	676,962	55	117,500
1914	169,679	586,674	124	88,400
1915	128,262	467,199	(3)	(2)
1916	150,646	665,953	798	94,400
1917	154,281	735,726	19	93,442
1918	129,968	477,955	273	91,036
1919	121,248	592,554	(3)	80,259
1920	86,877	374,152	(3)	43,993
1921	66,630	283,851	.....	[4] 39,057

[1] Included in total tons. [3] Not reported.
[2] Not reported separately. [4] Value of logs and piling floated in raft or towed in raft $147,711.

Navigation season.—The river was open all the year. During the low-water season navigation drafts were limited to 3 feet below the mouth of Current River and 2 feet above the mouth of Current River during two weeks of each of the following months: August, September, October, and November. During higher stages the customary load draft for barges was 4 to 4½ feet below Current River and 3 to 3½ feet above there.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
INTERNAL.						
Animals and animal products; Mussel shells	437	.....	437	$12,236	$12,236	*Miles.* 23
Vegetable food products	.....	.....	132	.....	2,218	.....
Cottonseed meal	.....	1	.....	40	.....	22
Hay	.....	130	.....	2,145	.....	19
Potatoes	.....	1	.....	33	.....	43
Wood and paper	.....	.....	66,010	.....	263,047	.....
Handle blanks	750	.....	.....	16,500	.....	50
Handle bolts	4,650	.....	.....	19,761	.....	11
Logs in barge	12,893	.....	.....	38,679	.....	36
Logs towed in raft	315	.....	.....	1,134	.....	20
Logs floated in raft	37,127	.....	.....	133,657	.....	24
Lumber	600	.....	.....	7,500	.....	46
Piling in raft	1,615	.....	.....	12,920	.....	6
Railway ties in barge	1,213	.....	.....	10,917	.....	49
Stave bolts	6,847	.....	.....	21,979	.....	18
Unclassified	.....	.....	51	.....	6,350	.....
Groceries	.....	50	.....	6,250	.....	43
Merchandise	.....	1	.....	100	.....	43
Total	66,447	183	66,630	.....	283,851	32

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BLACK RIVER, ARK. AND MO.—continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	437	$12,236
Vegetable food products	132	2,218
Wood and paper	66,010	263,047
Unclassified	51	6,350
Total	66,630	283,851

Vessel classification, 1921.

Classes.	Number	Net registered tons.	Tons capacity.
AMERICAN, INLAND.			
Registered:			
Steamers	1	33	.....
Motor boats	17	257	.....
Unregistered, barges	21	.....	1,435

CURRENT RIVER, ARK. AND MO.

Comparative statement of traffic.

	Total tons.	Value.	Passengers.	Floated logs and ties.[1]
Fiscal year:				*Tons.*
1895	31,205	$362,447	(2)	23,356
1896	29,867	227,291	505	23,762
1897	17,078	581,528	240	(3)
1898	52,417	306,216	415	(3)
1899	43,050	239,869	198	(3)
1900	65,043	578,834	160	(3)
1901	64,102	234,555	60	47,770
1902	37,185	165,766	627	34,900
1903	45,309	142,899	345	39,800
1904	55,573	139,199	220	33,900
1905	74,048	409,297	182	38,200
1906	47,704	152,216	8	11,000
1907	48,486	226,655	(3)	19,400
1908	27,696	115,398	(3)	25,200
1909	10,775	36,802	178	6,441
1910	25,082	124,001	2,521	19,400
Calendar year:				
1910	22,557	121,801	977	13,180
1911	24,014	67,611	698	9,120
1912	15,589	95,601	650	9,050
1913	18,836	140,983	4,160	9,840
1914	21,512	103,084	1,918	7,960
1915	6,371	31,855	888	(3)
1916	11,434	69,735	72	11,095
1917	16,762	63,375	25	16,013
1918	11,052	48,915	(3)	8,400
1919	6,737	39,486	(3)	5,296
1920	14,298	110,428	(3)	[4] 14,125
1921	16,614	85,905	.....	[4] 16,280

[1] Included in total tons. [2] Not reported. [3] Not reported separately. [4] Valued at $84,590.

Navigation season.—The river was open all the year. During the low-water period in the autumn 4 feet was the controlling channel depth to Little Black River (32 miles form the mouth), 18 inches from there to Doniphan (21 miles farther), and 10 to 12 inches from Doniphan to Van Buren. No report was received of the commerce moved by the farmer-owned boats that navigated the river above Doniphan.

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CURRENT RIVER, ARK. AND MO.—continued.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
INTERNAL.						*Miles.*
Wood and paper			16,614		$85,905	
Handle bolts	159			$745		12
Logs, floated in raft	11,260			39,410		20
Railway ties, floated in raft	5,020			45,180		32
Stave bolts	175			570		12
Total	16,614		16,614		85,905	24

Vessel classification, 1921.

Classes.	Number.	Net registered tons.	Tons capacity.
AMERICAN, INLAND.			
Registered, motor boats	3	47	
Unregistered barges	3		210

ST. FRANCIS AND L'ANGUILLE RIVERS AND BLACKFISH BAYOU, ARK.

Comparative statement of traffic.

	Total tons.	Value.	Passengers.	Floated logs and lumber.[1]
ST. FRANCIS RIVER, ONLY.				
Fiscal year:				*Tons.*
1894	19,763	$98,375	72	13,000
1895	38,107	321,439	407	5,000
1896	67,740	401,457	255	19,700
1897	97,348	1,117,891	346	(2)
1898	23,819	237,481	115	(2)
1899	27,896	315,459	15	(2)
1900	45,065	194,237	211	36,044
1901	57,102	272,609	280	31,085
1902	85,831	269,190	200	28,610
ST. FRANCIS AND L'ANGUILLE.				
Fiscal year:				
1903	88,035	294,495	400	44,020
1904	119,172	423,469	696	71,503
1905	142,098	590,560	419	69,734
1906	137,319	472,257	497	79,600
1907	151,015	833,397	989	68,000
1908	286,820	1,376,757	840	94,400
1909	160,057	1,148,855	2,884	86,800
1910	180,270	679,662	2,182	79,400
ST. FRANCIS, L'ANGUILLE AND BLACKFISH BAYOU.				
Calendar year:				
1910	247,945	1,643,535	2,606	104,000
1911	298,470	1,443,778	2,192	126,000
1912	296,872	1,060,185	1,898	124,500
1913	346,557	1,232,178	5,595	218,000
1914	296,354	733,680	1,806	255,000
1915	146,442	462,500	579	132,500
1916	166,851	499,473	714	154,900
1917	344,278	1,553,605	1,190	126,142
1918	333,348	1,432,094	1,316	93,892
1919	200,112	1,226,898	450	69,428
1920	317,506	2,017,478	1,160	278,822
1921	320,242	1,296,818	1,685	[3] 302,878

[1] Included in total tons.
[2] Not reported separately.
[3] Value of logs floated in raft or ties, piling and logs towed in raft $1,152,573.

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ST. FRANCIS AND L'ANGUILLE RIVERS AND BLACKFISH BAYOU, ARK.—continued.

Navigation season.—The river was open all the year. The navigation periods for boats of 3-foot draft were:

To marked tree: January 1 to July 12 and November 19 to December 31.

To Marianna and Fifteen-mile Bayou: January 1 to July 18; August 18 to September 2; September 29 to October 13; November 14 to December 31.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
INTERNAL.						*Miles.*
Animals and animal products			900		$34,352	
Cattle		15		$2,250		64
Hogs		15		1,875		32
Horses and mules		19		3,135		50
Meats, packing-house		12		3,600		30
Shells	839			23,492		43
Vegetable food products			457		11,211	
Corn		128		2,816		46
Cotton seed		128		4,224		32
Hay		149		2,460		27
Oats		5		160		30
Potatoes, white		47		1,551		49
Textiles: Cotton (plantation bales)		57	57	19,950	19,950	34
Wood and paper			318,579		1,207,030	
Logs in barges	9,534			28,602		44
Logs towed in raft	288,805			1,010,817		38
Lumber		164		2,050		22
Shingles		3		255		27
Staves, rough split	600			6,000		20
Stave bolts	5,400			17,550		30
Piling, towed in raft	5,033			60,396		56
Railway ties, towed in raft	9,040			81,360		56
Nonmetallic minerals: Brick and cement		30	30	125	125	40
Unclassified			219		24,150	
Household goods		15		1,500		42
Groceries		106		12,850		27
Merchandise		12		1,200		33
Miscellaneous		86		8,600		30
Total	319,251	991	320,242		1,296,818	40

SUMMARY.

Classes of commodities.	Domestic.	
	Short tons.	Value.
Animals and animal products	900	$34,352
Vegetable food products	457	11,211
Textiles	57	19,950
Wood and paper	318,579	1,207,930
Nonmetallic minerals	30	125
Unclassified	219	24,150
Total	320,242	1,296,818

Vessel classification, 1921.

Classes.	Number.	Net registered tons.	Tons capacity.
AMERICAN, INLAND.			
Registered:			
Steamboats	3	803	
Motor boats	24	236	
Unregistered, barges	20		7,257

Passengers, 1,685.

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UPPER WHITE RIVER, ARK., LOCKS AND DAMS NOS. 1, 2, AND 3.

Comparative statement of traffic.

Calendar year.	Lock No. 1.		Lock No. 2.		Lock No. 3.		Intrapool.		Net after deducting duplication.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
1910	1,069	$10,714	17,395	$93,249	8,739	$44,038	6,983	$43,216	.....	.....
1911	784	5,644	11,391	81,986	5,468	38,559	7,263	43,402	.....	.....
1912	5,219	62,583	16,339	120,665	7,021	55,153	9,882	72,633	.....	.....
1913	5,241	28,773	15,548	84,115	5,813	56,837	13,579	33,501	.....	.....
1914	4,683	25,244	12,647	56,884	4,896	27,801	12,322	48,081	.....	.....
1915	2,153	11,728	8,232	39,688	2,635	14,965	12,320	49,221	20,101	$87,015
1916	229	10,815	9,160	47,420	2,264	9,665	2,767	30,320	11,866	92,225
1917	910	6,700	9,693	82,074	2,205	12,333	5,569	38,444	16,014	123,562
1918	74	1,733	3,610	15,600	2,119	9,556	1,094	4,715	5,348	26,491
1919	289	2,634	3,438	18,801	1,011	8,403	12,648	96,339	15,954	119,623
1920	30	1,472	4,994	28,330	2,174	10,250	4,981	16,708	10,019	46,500
1921	6	312	1,271	17,400	217	3,462	1,061	3,877	2,351	23,238

Navigation season.—The river was open all the year.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Lock and Dam No. 1.					Lock and Dam No. 2.				
	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.	Bulk.	Package.		By commodities.	By classes.
Animals and animal products:										
Mussel shells	4	.....	4	$112	$112	6	.....	6	$168	$168
Vegetable food products: Corn	.....	.....	.....	.....	.....	.....	12	12	264	264
Textiles: Cotton (plantation bales)	.....	.....	.....	.....	.....	.....	29	29	10,150	10,150
Wood and paper	.....	.....	.....	.....	.....	.....	.....	1,221	.....	6,468
Cedar posts	.....	.....	.....	.....	.....	25	.....	.....	1,500	.....
Heading blocks	.....	.....	.....	.....	.....	72	.....	.....	270	.....
Heading bolts	.....	.....	.....	.....	.....	346	.....	.....	1,211	.....
Heading, sawed	.....	.....	.....	.....	.....	.....	127	.....	1,206	.....
Hub blocks	.....	.....	.....	.....	.....	9	.....	.....	50	.....
Lumber	.....	.....	.....	.....	.....	.....	1	.....	15	.....
Spoke blocks	.....	.....	.....	.....	.....	76	.....	.....	380	.....
Stave bolts	.....	.....	.....	.....	.....	565	.....	.....	1,836	.....
Unclassified	.....	.....	2	.....	200	.....	.....	3	.....	350
Household goods	.....	2	.....	200	.....	.....	2	.....	200	.....
Merchandise	.....	.....	.....	.....	.....	.....	1	.....	150	.....
Total	4	2	6	312	312	1,099	172	1,271	17,400	17,400

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UPPER WHITE RIVER, ARK., LOCKS AND DAMS NOS. 1, 2, AND 3—contd.

DOMESTIC—Continued.

Classes and commodities.	Lock and Dam No. 3.					Intrapool.				
	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.	Bulk.	Package.		By commodities.	By classes.
Animals and animal products:										
Mussel shells	11		11	$308	$308					
Vegetable food products			18		524					
Corn		17		374						
Sorghum		1		150						
Wood and paper			170		580			1,061		$3,877
Cedar posts						5			$300	
Heading blocks	52			195						
Heading bolts						203			760	
Heading, sawed							5		50	
Hub blocks						5			27	
Stave bolts	118			385		843			2,740	
Unclassified			18		2,050					
Household goods	10			1,000						
Merchandise		2		300						
Miscellaneous		6		750						
Total	191	26	217	3,462	3,462	1,056	5	1,061	3,877	3,877

Eliminating duplications of commerce passing through more than one lock the total tonnage is 2,351 tons valued at $23,238.

VESSELS AND LOCKAGES.

Classes.	Lock No. 1.	Lock No. 2.	Lock No. 3.
Motor boats	8	67	29
Barges	5	68	31
Small boats	587	366	219
Lockages	583	432	236

ST. LOUIS, MO., DISTRICT.

MISSISSIPPI RIVER BETWEEN OHIO AND MISSOURI RIVERS.

(See page 1269 for report.)

ROCK ISLAND, ILL., DISTRICT.

MISSISSIPPI RIVER BETWEEN MISSOURI RIVER AND MINNEAPOLIS, MINN.

(See page 1264 for report.)

LOCK AT KEOKUK, IOWA.

(See page 1268 for report.)

LOCK AND DAM AT MOLINE, ILL.

(See page 1268 for report.)

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GALENA RIVER, ILL.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1912	2,404	(1)	10,445	1917	5,919	$5,765	9,153
1913	5,495	(1)	16,226	1918	3,208	6,013	5,987
1914	4,899	(1)	14,020	1919	3,961	5,584	7,108
1915	6,749	$33,810	16,719	1920	4,564	7,598	4,626
1916	6,227	10,634	13,253	1921	4,126	6,210	2,380

[1] No statistics available.

[Navigation season about eight months.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
UPBOUND.						*Miles.*
Vegetable food products: Potatoes		2	2	$100	$100	6.0
Wood and paper			99		1,406	
Barrels		1		34		6.1
Wood, fire	98			1,372		6.0
Nonmetallic minerals			4,022		4,242	
Coal	2			18		5.0
Gravel	2,500			2,768		5.3
Sand	1,520			1,456		6.0
Unclassified: Household goods		3	3	462	462	6.0
Total	4,120	6	4,126	6,210	6,210	

NOTE.—There was no downbound freight traffic during 1921.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Vegetable food products	2	$100
Wood and paper	99	1,406
Nonmetallic minerals	4,022	4,242
Unclassified	3	462
Total	4,126	6,210

The controlling depth at Galena River Lock at extreme low water is 2 feet on the lower miter sill. During the calendar year 1921 there passed through the lock 169 barges, 862 launches; passengers 2,380; lockages 623. All of which business was commercial or private.

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ILLINOIS AND MISSISSIPPI CANAL.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1914	12,222	$261,581	15,965	1918	10,556	$459,137	35,027
1915	11,279	263,625	12,039	1919	10,295	455,238	17,238
1916	9,392	294,648	27,163	1920	7,428	257,018	17,909
1917	7,476	245,204	32,377	1921	12,949	173,964	20,758

[Navigation season about eight months.]

Freight traffic statement for Illinois and Mississippi Canal (entire canal) for calendar year 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
UPBOUND.						*Miles.*
Animals and animal products: Cows		1	1	$100	$100	4
Vegetable food products			5,223		108,820	
Corn		3,154		60,178		75.1
Oats		1,784		37,679		69
Wheat		285		10,963		72.6
Textiles: Fish nets	22		22	5,816	5,816	64.3
Wood and paper			37		2,200	
Furniture		17		1,700		40
Lumber	20			500		15.8
Nonmetallic minerals			32		857	
Coal	14			79		25
Drain tile	18			278		15.4
Machinery and vehicles			231		14,000	
Dredge machinery	230			13,000		74.9
Launch		1		1,000		72
Unclassified: Merchandise			54	5,400	5,400	15.9
Total	358	5,242	5,600		$136,693	
DOWNBOUND.						
Animals and animal products: Shells, clam	96		96	3,685	3,685	7.6
Vegetable food products: Corn		84	84	1,603	1,603	72.1
Textiles: Fish nets	61		61	19,886	19,886	25.7
Wood and paper			31		1,380	
Furniture		7		850		34.5
Lumber	9			425		32.7
Wood, fire	15			105		15
Nonmetallic minerals			7,074		9,667	
Coal	1,129			6,991		20
Gravel	5,945			2,676		74.9
Machinery and vehicles			3		1,050	
Automobile		1		1,000		6
Derrick	2			50		8
Total	7,257	92	7,349		37,271	
Total upbound and downbound	7,615	5,334	12,949		173,964	

NOTE.—There were 20,758 passengers carried during 1921.

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ILLINOIS AND MISSISSIPPI CANAL—continued.

SUMMARY.

Classes of commodities.	Domestic.		Classes of commodities.	Domestic.	
	Tons.	Value.		Tons.	Value.
Animals and animal products	97	$3,785	Nonmetallic minerals	7,106	$10,024
Vegetable food products	5,307	110,423	Machinery and vehicles	234	15,050
Textiles	83	25,702	Unclassified	54	5,400
Wood and paper	68	3,580	Total	12,949	173,964

ST. PAUL, MINN., DISTRICT.

MISSISSIPPI RIVER BETWEEN ST. PAUL AND MINNEAPOLIS, MINN.

(See page 1263 for report.)

MISSISSIPPI RIVER BETWEEN BRAINERD AND GRAND RAPIDS, MINN.

(See page 1263 for report.)

MISSISSIPPI AND LEECH RIVERS, MINN.

(See page 1262 for report.)

RESERVOIRS AT HEADWATERS OF MISSISSIPPI RIVER.

See reports on Mississippi and Leech Rivers, Minn., and Mississippi River between Brainerd and Grand Rapids, Minn.

TWIN CITY LOCK AND DAM, MISSISSIPPI RIVER.

See report on Mississippi River between St. Paul and Minneapolis, Minn.

ST. CROIX RIVER, WIS. AND MINN.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1917	9	[1] $7,000.00	11,337	1920		[2] $3,270.00	5,687
1918		[2] 1,780.00	4,193	1921		[2] 726.45	1,092
1919		[2] 1,820.00	4,974				

[1] Includes 200 canoes, valued at $35 each.
[2] Receipts from passenger business.

The river is principally used by excursion steamboats and pleasure launches. The floating of loose logs on the river ceased in 1914 and the rafting of manufactured lumber in 1915. This accounts for the decrease in tonnage in recent years.

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MINNESOTA RIVER, MINN.

Statistics for the calendar year 1920.

There was no commerce in 1921.

With the exception of 1,930 tons of sand and gravel, valued at $5,764, towed during the year 1920, no freight has moved on this river during the past few years. The only users are excursion steamers and small pleasure craft.

LAKE TRAVERSE, MINN. AND S. DAK.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1917	4,260	$238,000	No record.	1920	1,233	$98,640	No record.
1918	5,133	340,458	Do.	1921	1,885	45,538	Do.
1919	1,489	121,560	Do.				

Freight traffic, 1921.

LOCAL RECEIPTS AND SHIPMENTS.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
						Miles.	*Cents.*
Vegetable food products			1,885		$45,538		
Wheat	1,260			$34,621		No data.	No data
Barley	500			8,190		No data.	No data.
Oats	125			2,727		No data.	No data.
Total receipts and shipments	1,885		1,885		45,538		

SUMMARY.

Classes of commodities.	Local receipts and shipments.	
	Tons.	Value.
Vegetable food products	1,885	$45,538

RED RIVER OF THE NORTH, MINN. AND N. DAK.

Comparative statement of traffic.

Year.	Red River of the North.			Red Lake River.		
	Short tons.	Value.	Passengers.	Short tons.	Value.	Passengers.
1917	75	$6,000	(1)			140
1918 [2]						
1919 [2]						
1920 [2]						
1921 [2]						

[1] No record. [2] No data available.

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During 1916 logs to the amount of 100,000 feet board measure, 4,500 tons, valued at $18,000, were floated on Red Lake River.

There was no commerce during 1921 on Red River of the North and Red Lake River.

KANSAS CITY, MO., DISTRICT.

MISSOURI RIVER, KANSAS CITY TO MOUTH.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1915	216,490	$7,516,373	1919	141,094	$405,119
1916	211,371	6,335,313	1920	203,153	905,547
1917	217,616	4,994,550	1921	139,544	330,604
1918	142,981	830,769			

[Navigation season, Mar. 1 to Nov. 30.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
						Miles.	
Animals and animal products			187		$17,646	40	$0.0252
Live stock		176		$17,240			
Produce		11		406			
Vegetable food products			739		27,950	13	.0671
Flour and feed		35		1,737			
Grain		693		25,993			
Hay		11		220			
Wood and paper			16,984		117,375	7	.0920
Logs, rafted	500			12,000			
Lumber	163			3,525			
Wood	155			632			
Brush, piling, and trees used in river improvement work	[1] 16,166			101,218			
Nonmetallic minerals			120,724		115,150	12	.0407
Building material		40		2,600			
Cement		17		430			
Coal	[1] 500			2,500			
Oil		9		216			
Sand and gravel, boated	2,033			2,500			
Sand and gravel, barged	[1] 98,975			72,990			
Stone, cement, etc., used in river improvement work	[1] 19,150			33,914			
Ores, metals, and manufactures: Manufactured steel		154	154	40,780	40,780	37	.0687
Unclassified: Unknown commodities		756	756	11,703	11,703	34	.0436
Total	137,642	1,902	139,544		330,604		

[1] Hauled by owners.

NOTE.—The average haul does not cover sand and gravel barged, which was moved but a short distance. The rates per ton-mile do not include tonnage moved by owners.

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MISSOURI RIVER, KANSAS CITY TO MOUTH—continued.

Vessel classification, 1921.

Classes.	Number.	Net registered tonnage.	Not registered tonnage.
Registered:			
Steam	7	584	.....
Gasoline	6	127	.....
Barges	13	.....	1,132
Total	26	711	1,132

Floating plant owned by the United States in towing material used in river improvement work is not included in the statement of vessel classification.

MISSOURI RIVER, KANSAS CITY TO SIOUX CITY.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1915	101,822	$55,774	1919	63,941	$28,091
1916	105,287	255,188	1920	149,255	185,040
1917	42,715	12,790	1921	110,512	246,945
1918	50,226	309,388			

[Navigation season, Mar. 1 to Nov. 30.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
						Miles.
Wood and paper: Brush, piling and trees used in river improvement work by private parties	17,628	.....	17,628	$179,188	$179,188	2
Nonmetallic minerals	.....	.....	92,014	.....	50,357	1
Sand and gravel dredged	89,745	.....	.....	42,668	.....	.....
Stone used in river improvement work by United States	2,269	.....	.....	7,689	.....	.....
Unclassified: Miscellaneous articles in river improvement work	.....	870	870	17,400	17,400	4
Total	109,642	870	110,512	.....	246,945	.....

NOTE.—All commodities moved by owners. No freight revenue accrued.

Vessel classification, 1921.

Classes.	Number.	Net registered tonnage.	Not registered tonnage.
Registered: Steam	5	282	.....
Barges	14	.....	959
Total	19	282	959

Floating plant owned by the United States in towing material used in river improvement work is not included in the statement of vessel classification.

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MISSOURI RIVER, SIOUX CITY, IOWA, TO FORT BENTON, MONT.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1915	17,976	$642,090	1919	1,572	$121,711
1916	22,151	986,426	1920	3,261	77,155
1917	6,285	356,339	1921	9,164	345,166
1918	3,986	168,980			

[Navigation season, Mar. 15 to Nov. 15.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
						Miles.	
Animals and animal products:							
Live stock		52	52	$10,190	$10,190	30	$0.1333
Vegetable food products: Grain		1,580	1,580	49,795	49,795	42	.0704
Wood and paper: Lumber		585	585	9,155	9,155	32	.1207
Nonmetallic minerals:			1,881		22,226	78	.0691
Cement		63		882			
Coal	1,793			20,344			
Oil		25		1,000			
Ores, metals and manufactures of: Manufactured iron and steel		10	10	1,000	1,000	45	.1333
Unclassified: Miscellaneous		5,056	5,056	252,800	252,800	38	.1305
Totals	1,793	7,371	9,164		345,166		

Vessel classification, 1921.

Classes.	Number.	Net registered tonnage.
Registered: Gasoline	3	224
Total	3	224

OSAGE RIVER, MO.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1915	22,083	$330,999	1919	15,327	$915,451
1916	13,999	346,974	1920	24,547	517,791
1917	28,171	725,471	1921	50,709	581,436
1918	34,490	927,243			

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OSAGE RIVER, MO.—continued.

[Navigation season: Mar. 1 to Nov. 30.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
						Miles.	*Cents.*
Animals and animal products:							
Live stock		1,015	1,015	$136,960	$136,960	23	7.36
Vegetable food products			2,123		73,672	20	9.69
Feed		73		7,520			
Grain		2,050		66,152			
Wood and paper			14,062		107,767	41	2.72
Building material		214		3,840			
Lumber		1,617		33,030			
Lumber and logs rafted	500			2,000			
Railroad ties, boated		144		1,500			
Railroad ties, rafted	11,557			67,347			
Brush, piling, and lumber used in improvement work	30			50			
Nonmetallic minerals			32,249		45,187	12	9.93
Brick		61		336			
Barytes		180		1,800			
Cement		1,281		17,066			
Coal	1,160			8,000			
Kaolin		23		230			
Oil		1		45			
Salt		33		660			
Sand and gravel	29,040			13,400			
Cement blocks, coal, etc., used in river improvement work	470			3,650			
Ores, metals and manufactures of			830		127,600	7	18.51
Manufactures iron and steel		430		86,000			
Structural steel		400		41,600			
Unclassified			421		90,250	35	12.78
Miscellaneous		419		89,750			
Miscellaneous articles used in river improvement work		2		500			
Total	42,757	7,943	50,700		581,436		

Commodities moved by owner, upon which no freight revenue accrued, are not considered in arriving at rate per ton-mile.

Vessel classification, 1921.

	Number.	Net registered tonnage.	Not registered tonnage.
Registered:			
Steam	2	78	
Gasoline	3	38	
Barges	10		1,225
Total	15	116	1,225

GASCONADE RIVER, MO.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1916	12,672	$200,658	1919	12,194	$300,427
1917	24,524	254,443	1920	13,417	206,278
1918	12,080	141,803	1921	11,431	76,138

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GASCONADE RIVER, MO.—continued.

[Navigation season: Mar. 1 to Nov. 30.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
						Miles.	
Animals and animal products:							
Live stock		3	3	$425	$425	12	$0.1375
Vegetable food products			201		8,331	17	.0406
Grain		195		8,088			
Flour and feed		4		213			
Hay		2		30			
Wood and paper			9,667		56,850	52	.0361
Lumber		43		1,210			
Railroad ties, boated		714		5,000			
Railroad ties, rafted	8,850			50,425			
Wood		60		215			
Nonmetallic minerals			1,520		3,670	14	.0101
Cement		11		270			
Sand and gravel	1,493			1,500			
Oil		1		22			
Building material		15		1,878			
Ores, metals, and manufactures of: Manufactured iron and steel		19	19	580	580	21	.0726
Unclassified: Miscellaneous		21	21	6,282	6,282	18	.0549
Total	10,343	1,088	11,431		76,188		

Vessel classification, 1921.

Classes.	Number.	Net registered tonnage.	Not registered tonnage.
Registered: Steam	1	37	
Barge	1		60
Total	2	37	60

NASHVILLE, TENN., DISTRICT.

CUMBERLAND RIVER, TENN. AND KY., BELOW NASHVILLE.

Comparative statement of traffic.

Year.	Tons boated.	Tons rafted.	Total value.	Passengers.
1898	120,232	(1)	$5,711,998	31,300
1899	263,608	(1)	4,771,049	11,900
1900	407,088	(1)	5,140,616	11,000
1901	255,557	(1)	3,694,428	12,000
1902	283,531	(1)	7,347,047	25,000
1903	297,438	(1)	3,888,305	8,000
1904	275,371	(1)	3,034,600	7,560
1905	253,430	(1)	5,060,451	7,700
1906	223,899	(1)	3,678,420	6,000
1907	300,810	(1)	5,877,957	14,000
1908	259,734	(1)	4,621,197	33,000
1909	193,118	(1)	4,723,833	26,296
1910	322,557	5,200	6,692,587	23,410
1911	219,678	3,600	3,549,114	4,500
1912	119,926	56,733	3,459,274	9,091
1913	164,228	895	2,705,431	4,950
1914	150,721	2,737	2,238,207	4,350
1915	124,316	2,633	2,172,059	14,251
1916	119,982	3,022	2,306,502	14,281
1917	129,239	2,086	1,719,564	9,586
1918	43,285	5,159	626,927	10,560
1919	221,861	1,804	1,740,317	8,216
1920	171,506	7,392	1,864,521	6,048
1921	254,376	9,018	2,448,914	36,358

[1] Separate statistics for boated and rafted products not available.

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CUMBERLAND RIVER, TENN. AND KY., BELOW NASHVILLE—continued.

[Navigation season: Open all the year.]

Freight traffic, 1921.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.[1]						*Miles.*	*Cents.*
Animals and animal products			852		$157,750		
Cattle		150		$15,000		102	8.8
Eggs		62		21,700		33	26.1
Hogs		513		87,210		132	5.9
Horses		38		6,460		73	9.1
Mules		5		975		135	7.4
Mussel shells		20		650		5	(2)
Poultry		58		20,880		27	22.3
Sheep		3		375		165	
Leather products		3		4,500		56	11.0
Vegetable food products			3,939		130,222		
Corn		3,636		98,172		287	1.2
Groceries		120		24,000		66	8.5
Hay		55		1,100		90	5.8
Oats		80		3,600		39	12.9
Produce		37		2,775		29	17.4
Rye		5		275		40	7.5
Wheat		6		300		40	7.5
Other vegetable products			670		245,040		
Drugs, etc		6		6,000		120	8.3
Tobacco		664		239,040		220	2.7
Textiles: General merchandise		70	70	70,000	70,000	43	14.8
Wood and paper			942		14,605		
Cases and barrels		12		1,200		40	10.0
Logs	450			3,825		5	(2)
Lumber	476			9,520		166	2.3
Staves		4		60		40	10.0
Nonmetallic minerals			93,265		92,920		
Cement		20		280		40	7.5
Coal	70			315		36	8.8
Gravel	43,613			32,710		11	(2)
Lime		11		154		38	8.3
Sand	49,551			59,461		11	(2)
Machinery and vehicles: Machinery		18	18	3,600	3,600		
Chemicals: Fertilizer		25	25	813	813	40	10.0
Unclassified: Musical instruments		3	3	6,000	6,000		
Total	94,160	5,624	99,784		720,950	226	1.9
DOWNBOUND.[3]							
Animals and animal products			554		111,583		
Cattle		150		15,000		40	25.0
Eggs		24		8,400		43	12.8
Hogs		200		34,000		40	15.0
Horses		25		4,250		100	7.6
Leather products		22		33,000		31	23.6
Mules		33		6,435		70	7.1
Mussel shells		75		2,438		30	(2)
Poultry		21		7,560		32	17.8
Sheep		4		500		40	12.5
Vegetable food products			1,514		271,193		
Corn		84		2,268		40	5.0
Groceries		1,317		263,400		159	5.1
Hay		50		1,000		40	5.0
Produce		55		4,125		89	6.9
Wheat		8		400		40	7.5
Other vegetable products			233		90,920		
Drugs, etc		11		11,000		35	25.3
Tobacco		222		79,920		52	8.3
Textiles: General merchandise		85	85	85,000	85,000	87	8.8
Wood and paper			159,826		1,082,077		
Logs (boated)	14,416			122,536		125	2.7
Logs (rafted)	7,107			60,409			
Lumber	12			240		173	2.1
Ties, railroad (boated)	136,380			886,470		[4] 206	(2)
Ties, railroad (rafted)	1,911			12,422			

[1] Number of passengers carried, 17,099.
[2] Hauled by owners.
[3] Number of passengers carried, 19,269.
[4] This item was not taken into consideration in computing average distance hauled.

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CUMBERLAND RIVER, TENN. AND KY., BELOW NASHVILLE—continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
DOWNBOUND—continued.						*Miles.*	*Cents.*
Nonmetallic minerals			580		$1,353		
Cement		20		$280		18	27.7
Coal	5			23		40	12.5
Lime		30		420		30	16.6
Sand	525			630		2	
Machinery and vehicles: Machinery		192	192	38,400	38,400	27	22.0
Chemicals: Fertilizer		475	475	15,438	15,438	97	5.0
Unclassified: Musical instruments, etc		151	151	32,000	32,000	19	37.7
Total	160,356	3,254	163,610		1,727,964	123	3.3

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	1,406	$269,333
Vegetable food products	5,453	401,415
Other vegetable products	903	335,960
Textiles	155	155,000
Wood and paper	160,768	1,096,682
Nonmetallic minerals	93,845	94,273
Machinery and vehicles	210	42,000
Chemicals	500	16,251
Unclassified	154	38,000
Total	263,394	2,448,914

Number of passengers carried, upbound and downbound, 36,368.

The following table gives a comparative statement of the commerce for the calendar years indicated:

Comparative statement.

Year.	Tonnage as reported in annual reports of Chief of Engineers (total).	Farm products.	Forest products, exclusive of those transported by rafts.	Merchandise, including flour and meal.	Fertilizer.	Sand and gravel.	Miscellaneous, including coal, cement, iron, machinery, etc.	Totals, exclusive of sand, gravel, and rafted products.
1911	223,278	23,264	145,334	7,159	700	40,916	2,305	178,762
1912	176,659	21,431	59,373	10,800		26,780	1,542	93,146
1913	165,123	16,123	131,024	3,706	1,100	11,250	1,026	152,978
1914	153,458	6,151	99,266	4,140	851	38,976	1,337	111,745
1915	126,949	10,250	92,723	3,904	421	15,237	1,781	109,079
1916	123,004	15,729	81,383	6,834	601	12,474	1,247	105,794
1917	131,325	3,805	81,866	2,160	403	39,644	1,361	89,595
1918	48,208	68	41,991	708	100		82	42,949
1919	223,665	1,465	103,097	3,265	460	113,340	234	108,521
1920	178,898	3,183	72,808	1,814	275	93,282	144	78,234
1921	263,394	6,188	651,750	1,788	500	93,689	461	160,687

Vessel classification, 1921.

Registered steamers and gasoline boats	19
Net registered tonnage	1,363

About 45 barges, with a total capacity estimated at 21,255 tons, were employed by the vessels operating in this section.

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CUMBERLAND RIVER, TENN. AND KY., ABOVE NASHVILLE.

Comparative statement of traffic.

Year.	Tons boated.	Tons rafted.	Total value.	Passengers.
1898	124,518	(1)	$2,311,385	22,000
1899	294,763	(1)	4,490,412	32,063
1900	289,218	(1)	8,395,055	17,906
1901	257,211	(1)	7,064,755	18,773
1902	192,270	(1)	5,527,886	29,265
1903	304,462	(1)	6,604,734	9,552
1904	242,112	(1)	5,862,365	7,200
1905	382,807	(1)	10,509,789	23,298
1906	334,351	(1)	7,571,305	12,365
1907	241,571	(1)	9,914,916	70,000
1908	246,260	(1)	8,745,289	8,635
1909	225,074	(1)	7,274,779	21,773
1910	175,120	12,947	4,112,115	3,712
1911	153,525	27,504	4,087,748	8,373
1912	238,056	70,029	7,750,730	11,785
1913	223,765	114,059	7,250,766	24,429
1914	217,035	96,993	6,784,999	17,294
1915	228,062	38,577	4,317,061	10,338
1916	222,801	41,152	3,775,520	8,832
1917	213,910	53,181	6,970,390	8,720
1918	266,677	9,504	6,599,713	5,778
1919	117,875	17,357	6,454,840	11,626
1920	127,448	10,069	3,648,671	4,664
1921	124,363	17,555	2,655,123	4,565

[1] Separate statistics for boated and rafted products not available.

[Navigation season: For packet boats, Jan. 1 to June 1 and Dec. 1 to 31; for small craft, all the year.]

Freight traffic, 1921.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.						*Miles.*	*Cents.*
Animals and animal products			2,821		$537,985		
Cattle		614		$61,400		71	4.7
Eggs		227		79,450		78	28.5
Hogs		1,716		291,720		62	8.3
Horses		8		1,360		159	5.9
Leather products		16		24,000		83	8.6
Poultry		213		76,680		77	21.6
Sheep		27		3,375		40	12.5
Vegetable food products			2,428		306,600		
Corn		695		18,765		218	1.6
Groceries		1,328		265,600		223	4.3
Oats		14		630		120	2.8
Produce		80		6,000		225	3.5
Rye		11		605		220	1.8
Wheat		300		15,000		220	1.8
Other vegetable products			30		16,560		
Drugs, etc		9		9,000		105	8.2
Tobacco		21		7,560		90	6.7
Textiles: General merchandise		152	152	152,000	152,000	162	5.2
Wood and paper			7,606		129,921		
Cases and barrels		1		100		60	
Furniture		15		3,000		225	0.6
Handles and slabs		1		30		225	1.4
Logs	314			2,669		15	5.3
Lumber	3,268			65,360		89	2.4
Staves		3,849		57,735		50	4.0
Ties, railroad	158			1,027		15	7.6
Nonmetallic minerals			11,371		15,005		
Cement		55		770		152	4.5
Coal	50			225		80	3.8
Lime		5		70		167	3.0
Oil		11		440		60	(1)
Sand	11,250			13,500		3	(2)

[1] Freight rate not given. [2] Hauled by owner.

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CUMBERLAND RIVER, TENN. AND KY., ABOVE NASHVILLE—continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND—continued.							
						Miles.	*Cents.*
Machinery and vehicles: Machinery		36	36	$7,200	$7,200	173	2.9
Chemicals: Fertilizer		850	850	27,625	27,625	284	2.9
Unclassified: Musical instruments		6	6	12,000	12,000	196	9.1
Total	15,040	10,260	25,300		1,204,896	106	3.9
DOWNBOUND.							
Animals and animal products			2,183		362,160		
Cattle		412		41,200		225	3.0
Eggs		98		34,300		206	10.8
Hogs		1,647		279,990		225	3.3
Horses and mules		7		1,240		225	4.5
Poultry		13		4,680		118	10.5
Sheep		6		750		185	3.2
Vegetable food products			2,706		441,225		
Corn		140		3,780		225	2.8
Groceries		2,070		414,000		75	10.6
Produce		25		1,875		159	4.0
Hay		51		1,020		166	3.8
Oats		90		4,050		38	8.9
Wheat		330		16,500		22	7.9
Other vegetable products			78		28,720		
Drugs, etc		1		1,000		170	7.4
Tobacco		77		27,720		225	1.8
Textiles: General merchandise		3	3	3,000	3,000	166	6.4
Wood and paper			19,866		204,797		
Handles and slabs	1,181			35,430		58	4.3
Logs (rafted)	17,555			149,217			
Lumber	640			12,800		214	1.9
Spoke billets	120			1,800		240	(1)
Staves	370			5,550		225	1.8
Nonmetallic minerals			88,120		98,158		
Cement		73		1,022		87	3.7
Coal		136		612		86	5.6
Draintile		72		5,760		81	10.6
Gravel	32,539			24,404		15	(1)
Sand	55,300			66,360		15	(1)
Ores, metals, etc.: Hardware		4	4	700	700	46	8.7
Machinery and vehicles: Machinery		353	353	70,600	70,600	75	13.5
Chemicals: Fertilizer		2,519	2,519	81,868	81,868	250	2.0
Unclassified			786		159,000		
Household goods		5		1,000		200	7.5
Musical instruments		1		2,000		225	8.8
All other [2]		780		156,000		75	10.7
Total	107,705	8,913	116,618		1,450,228	157	3.9

[1] Hauled by owner.
[2] Reported by transportation company as "general merchandise"; includes miscellaneous articles of freight.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	5,004	$900,145
Vegetable food products	5,134	747,835
Other vegetable products	108	45,280
Textiles	155	155,000
Wood and paper	27,472	334,718
Nonmetallic minerals	99,491	113,162
Ores, metals, and manufactures of	4	700
Machinery and vehicles	389	77,800
Chemicals	3,369	109,493
Unclassified	792	171,000
Total	141,918	2,655,123

Number of passengers carried, upbound and downbound, 4,565.

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CUMBERLAND RIVER, TENN. AND KY., ABOVE NASHVILLE—continued.

The following table gives a comparative statement of the commerce for the calendar years indicated:

Comparative statement.

Year.	Tonnage as reported in annual reports of Chief of Engineers (total).	Farm products.	Forest products, exclusive of those transported by rafts.	Merchandise, including flour and meal.	Fertilizer.	Sand and gravel.	Miscellaneous, including coal, cement, iron, machinery, etc.	Totals, exclusive of sand, gravel, and rafted products.
1911	181,029	24,314	37,007	13,217	2,688	75,709	590	77,816
1912	309,705	22,706	109,588	30,045	2,148	74,054	1,135	165,622
1913	337,824	16,318	78,774	19,171	4,024	103,206	2,272	120,559
1914	314,028	16,037	75,619	18,391	4,386	100,925	1,677	116,110
1915	266,186	17,088	58,623	15,734	3,524	131,707	933	95,902
1916	263,953	12,332	39,603	13,237	1,778	144,765	1,291	68,191
1917	267,091	16,077	62,225	15,702	3,664	112,752	3,490	101,158
1918	276,181	14,462	45,745	10,423	4,150	163,530	1,422	76,202
1919	135,232	14,692	15,973	12,522	4,771	68,528	1,389	49,347
1920	137,517	7,614	10,850	5,176	3,499	99,318	991	38,125
1921	141,918	10,220	9,917	973	3,369	99,089	795	25,274

Vessel classification, 1921.

Registered steamers and gasoline boats..... 13
Net registered tonnage..... 948

About 16 barges, with a total capacity estimated at 2,118 tons, were employed by the concerns operating in this section.

LOCKS AND DAMS ON CUMBERLAND RIVER, TENN.

(For report see page 840.)

TENNESSEE RIVER BELOW RIVERTON, ALA.

Comparative statement of traffic.

Year.	Tons boated.	Tons rafted.	Value.	Passengers.
1906	715,983	50,135	$10,930,300	23,744
1907	643,077	(1)	10,921,250	25,810
1908	552,560	(1)	10,636,445	26,053
1909	375,570	(1)	9,020,840	23,360
1910	449,230	14,800	8,480,400	(2)
1911	374,365	56,748	7,394,412	(2)
1912	331,540	42,085	6,261,650	(2)
1913	427,885	52,220	6,130,874	15,875
1914	269,791	180,165	6,428,874	21,561
1915	311,408	159,598	5,624,908	12,557
1916	328,989	74,589	8,064,091	23,228
1917	380,175	36,129	9,745,016	15,566
1918	239,241	41,361	5,783,318	5,590
1919	239,886	5,873	6,909,136	5,728
1920	183,601	41,584	5,432,262	3,894
1921	309,229	39,611	10,235,698	15,467

[1] Separate statistics for boated and rafted products not available.
[2] Statistics not available.

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TENNESSEE RIVER BELOW RIVERTON, ALA.—continued.

[Navigation season: Open all year.]

Freight traffic, 1921.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.						*Miles.*	*Cents.*
Animals and animal products			58		$29,110		
Cattle		2		$200		66	6.0
Eggs		1		350		79	12.7
Horses		24		4,080		217	3.7
Leather products		14		21,000		221	2.7
Mules		16		3,120		200	4.0
Poultry		1		360		79	12.7
Vegetable food products			7,094		720,882		
Corn		622		16,794		155	1.9
Cotton seed		23		598		79	3.2
Flour		2,955		295,500		223	1.7
Groceries		1,613		322,600		187	2.4
Hay		401		8,020		239	1.3
Oats		406		18,270		208	1.4
Produce		216		16,200		222	2.7
Wheat		858		42,900		200	1.0
Other vegetable products			279		115,160		
Drugs, etc		23		23,000		208	3.9
Tobacco		256		92,160		231	1.3
Textiles			6,128		5,163,400		
Cotton		1,378		413,400		230	1.7
General merchandise		4,750		4,750,000		213	2.8
Wood and paper			23		1,180		
Cases and barrels		9		900		79	
Lumber	14			280		43	4.1
Nonmetallic minerals			1,795		50,242		
Brick	158			1,185		201	.9
Cement		98		1,372		185	1.4
Coal	91			410		184	1.1
Marble	23			276		217	4.6
Oil		672		29,680		33	20.8
Salt		753		17,319		244	.8
Machinery and vehicles: Machinery		76	76	15,200	15,200	86	6.8
Chemicals: Fertilizers		286	286	9,295	9,295	241	1.2
Unclassified: Musical instruments		3	3	6,000	6,000	216	4.6
Total	286	15,456	15,742		6,110,469	204	2.1
DOWNBOUND.							
Animals and animal products			2,141		295,870		
Cattle		883		88,300		188	2.5
Eggs		52		18,200		62	11.7
Hogs		939		159,630		212	2.4
Horses		1		170		200	4.0
Leather products		2		3,000		28	17.9
Mules		18		3,510		225	3.5
Mussel shells		200		6,500			(1)
Poultry		46		16,560		86	7.2
Vegetable food products			5,464		421,410		
Corn		595		16,065		220	1.1
Cotton seed		1,785		46,410		242	1.3
Flour		16		1,600		200	2.0
Groceries		619		123,800		208	2.4
Hay		99		1,980		141	2.0
Oats		19		855		200	1.6
Peanuts		2,250		225,000		217	2.3
Produce		66		4,950		216	2.8
Wheat		15		750		35	6.9
Other vegetable products: Tobacco		24	24	8,640	8,640		
Textiles			1,405		1,188,000		
Cotton		310		93,000		206	1.9
General merchandise		1,095		1,095,000		224	2.6
Wood and paper			323,873		2,207,032		
Cases and barrels		9		1,232			
Logs (rafted)	9,372			79,662			
Lumber	10,256			205,120		241	1.4

[1] Hauled by owners.

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TENNESSEE RIVER BELOW RIVERTON, ALA.—continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
DOWNBOUND—continued.							
Wood and paper—Continued.						*Miles.*	*Cents.*
Staves		998		$14,970		237	1.1
Ties (boated)	272,999			1,774,494		[2] 204	([1])
Ties (rafted)	30,239			131,554			
Nonmetallic minerals			135		$2,457		
Brick	83			623		79	2.3
Cement		4		56		79	5.1
Coal	4			18		79	5.1
Oil		44		1,760		79	6.3
Chemicals: Fertilizer		56	56	1,820	1,820	238	1.3
Total	322,953	10,145	333,098		4,125,229	226	1.7

[1] Hauled by owners.
[2] This item was not used in computing average distance hauled.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	2,199	$324,980
Vegetable food products	12,558	1,142,292
Other vegetable products	303	123,800
Textiles	7,533	6,351,400
Wood and paper	323,896	2,208,212
Nonmetallic minerals	1,930	52,699
Machinery and vehicles	76	15,200
Chemicals	342	11,115
Unclassified	3	6,000
Total	348,840	10,235,698

Number of passengers, upbound and downbound, 15,467.

The following is a comparative statement of commerce for a period of 10 years, compiled from the annual reports of the Chief of Engineers, United States Army. The unit of the table is the ton of 2,000 pounds.

Calendar year.	Tonnage as reported in annual reports of Chief of Engineers (total).	Farm products.	Forest products, exclusive of those transported by rafts.	Pig iron.	Marble.	Merchandise, including flour and meal.	Fertilizer.	Miscellaneous, including coal, cement, iron, machinery, etc.	Total.
1912	373,600	22,300	306,000			16,300	1,700	4,800	350,200
1913	480,000	18,900	389,500		100	15,300	1,800	2,300	427,900
1914	450,000	21,800	227,600		100	12,800	1,800	5,100	269,200
1915	471,006	15,771	272,222		15	18,788	1,428	3,184	311,408
1916	403,578	29,164	237,734	17,765	16	30,099	9,445	4,766	328,989
1917	416,304	20,437	313,602	23,559	16	15,916	846	5,799	380,175
1918	280,602	13,807	213,359	1,588		6,541	1,348	2,598	276,241
1919	245,759	14,290	212,444			8,982		2,125	239,886
1920	225,185	9,806	162,653			8,978	744	1,420	183,601
1921	348,840	14,277	284,285		23	8,119	342	2,183	309,229

NOTE.—Except in the second column of the above table, sand and gravel, rafts, and harbor freight have been omitted, the totals in the last column being the totals after the omission of the classes of traffic mentioned.

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TENNESSEE RIVER BELOW RIVERTON, ALA.—continued.

Vessel classification, 1921.

Registered steamers and gasoline boats	22
Net registered tonnage	2,203

About 74 barges, with a total capacity estimated at 37,340 tons, were employed by the concerns operating in this section.

LOCKS AND DAMS ON CUMBERLAND RIVER, TENN.

Statement of traffic passing through locks on the Cumberland River during calendar year 1921.

	Lock A.		Lock B.		Lock C.	
Total lockages	390		390		524	
Craft:						
Government boats	30		29		31	
Packets	116		122		123	
Small craft	209		93		238	
Towboats	68		113		121	
Rafts	4		4		9	
Barges	125		204		325	
CARGO.	Short tons.	Valuation.	Short tons.	Valuation.	Short tons.	Valuation.
Animals and animal products:						
Cattle	663	$66,300	444	$44,400	385	$38,500
Eggs	31	10,850	43	15,050	53	18,550
Hogs	746	126,820	685	116,450	615	104,550
Horses	18	3,060	17	2,890	18	3,060
Mussel shells			20	480		
Poultry	57	20,520	39	14,040	84	30,240
Sheep	12	1,500	4	500	2	250
Vegetable food products:						
Corn	4,824	130,248	6,874	185,598	6,192	167,184
Cotton seed					16	416
Flour	83	8,300	82	8,200	176	17,600
Groceries	916	183,200	775	155,000	1,779	355,800
Hay	3	60	66	1,320	8	160
Oats	4	180	10	450		
Produce					13	975
Wheat	82	4,100	65	3,250	101	5,050
Other vegetable products: Tobacco	6	2,160	296	106,560	517	186,120
Textiles: General merchandise	3,742	748,400	4,291	858,200	5,028	1,005,600
Wood and paper:						
Handles and spokes			1	100	1	100
Logs	1,104	9,384	1,408	11,926	600	5,100
Lumber	93	1,860	263	5,260	231	4,620
Ties, railroad	19,505	126,783	19,111	124,222	29,431	191,627
Nonmetallic minerals:						
Brick	5	38				
Cement					18	252
Coal	170	765	104	468	66	297
Gasoline					23	1,725
Lime	95	1,330	15	210	13	182
Salt					2	46
Machinery and vehicles: Machinery	147	29,400	147	29,400	171	34,200
Chemicals: Fertilizer	428	13,910	367	11,928	189	6,143
Total	32,734	1,489,168	35,122	1,695,902	45,782	2,178,347
Passengers	2,537		4,177		3,869	

	Lock D.	Lock No. 1.	Lock No. 2.
Total lockages	1,407	789	805
Craft:			
Government boats	34	35	33
Packets	109	115	154
Small craft	980	124	130
Towboats	220	208	11
Sand dredges		431	351
Rafts	8	18	124
Barges	358	911	531

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LOCKS AND DAMS ON CUMBERLAND RIVER, TENN.—continued.

	Lock D.		Lock No. 1.		Lock No. 2.	
	Short tons.	Valuation.	Short tons.	Valuation.	Short tons.	Valuation.
CARGO.						
Animals and animal products:						
Cattle	343	$34,300	540	$54,000	1,343	$134,300
Eggs	23	8,050	19	6,650	57	19,950
Hogs	409	69,530	613	104,210	2,484	422,280
Horses			22	3,740	1	170
Mussel shells	8	192			20	480
Poultry	47	16,920	31	11,160	25	9,000
Sheep	3	375	7	875	18	2,250
Vegetable food products:						
Corn	4,076	110,052	3,857	104,139	306	8,262
Flour	125	12,500	69	6,900	435	43,500
Groceries	1,242	248,400	495	99,000	1,165	233,000
Hay	44	880	1	20	29	580
Oats	1	45			21	945
Peas					87	8,700
Potatoes			1	63	22	1,386
Wheat	60	3,000	79	3,950	51	2,550
Other vegetable products: Tobacco	341	122,760	6	2,160	28	10,080
Textiles: General merchandise	4,698	939,600	3,886	777,200	3,262	652,400
Wood and paper:						
Handles and spokes					1,125	112,500
Logs	4,072	34,612	1,255	10,668	16,857	143,284
Lumber	235	4,700	988	19,760	367	7,340
Posts					864	12,096
Telegraph poles					886	24,808
Ties, railroad	56,539	367,503	525	3,413	577	3,751
Nonmetallic minerals:						
Brick	36	270			18	135
Cement	2	28			45	630
Coal	295	1,326	60	270	242	1,089
Gravel			44,147	33,110	19,051	14,288
Lime	12	168			9	126
Oils					360	14,400
Salt					30	690
Sand			58,518	70,222	23,249	27,899
Machinery and vehicles: Machinery	146	29,200	190	38,000	241	48,200
Chemicals: Fertilizer	194	6,305	325	10,562	2,467	80,178
Household goods	1	200			2	400
Total	72,952	2,010,916	115,634	1,360,072	75,744	2,041,647
Passengers	3,119		2,703		14,762	

	Lock No. 3.		Lock No. 4.		Lock No. 5.	
Total lockages	295		300		254	
Craft:						
Government boats	34		31		33	
Packets	101		102		103	
Small craft	49		55		17	
Tow boats	10		9		7	
Rafts	112		105		120	
Barges	60		69		45	
	Short tons.	Valuation.	Short tons.	Valuation.	Short tons.	Valuation.
CARGO.						
Animals and animal products:						
Cattle	629	$62,900	617	$61,700	620	$62,000
Eggs	56	19,600	58	20,300	58	20,300
Hogs	2,634	447,780	2,633	447,610	2,550	433,500
Horses	13	2,210	16	2,720	18	3,060
Mussel shells	20	480	10	240		
Poultry	16	5,760	27	9,720	16	5,760
Sheep	18	2,250	18	2,250	17	2,125
Vegetable food products:						
Corn	283	7,641	301	8,127	306	8,262
Flour	433	43,300	447	44,700	440	44,000
Groceries	1,377	275,400	1,135	227,000	1,263	252,600
Hay	29	580	11	220	29	580
Oats	23	1,035	20	900	23	1,035
Peas	70	7,000	87	8,700	69	6,900
Potatoes	29	1,827	26	1,638	24	1,512
Wheat	39	1,950	51	2,550	51	2,550
Other vegetable products: Tobacco	28	10,080	26	9,360	20	7,200
Textiles: General merchandise	2,004	400,800	1,932	386,400	2,419	483,800

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LOCKS AND DAMS ON CUMBERLAND RIVER, TENN.—continued.

	Lock No. 3.		Lock No. 4.		Lock No. 5.	
	Short tons.	Valuation.	Short tons.	Valuation.	Short tons.	Valuation.
CARGO—continued.						
Wood and paper:						
Handles and spokes	1,165	$116,500	1,192	$119,200	1,171	$117,100
Logs	16,590	141,015	15,474	131,529	14,964	127,194
Lumber	364	7,280	584	11,680	586	11,720
Posts	1,787	25,018	672	9,408	498	6,972
Telegraph poles	24	672	1,565	43,820	2,487	69,636
Ties, railroad	577	3,751	561	3,647	605	3,933
Nonmetallic minerals:						
Brick	90	675	105	788	20	150
Cement	4	56	4	56	5	70
Coal	235	1,058	70	315	.....	.....
Lime	9	126	9	126	3	42
Oils	224	8,960	360	14,400	360	14,400
Sand	38	46	77	92	.....	.....
Machinery and vehicles: Machinery	449	89,800	309	61,800	289	57,800
Chemicals: Fertilizer	2,315	75,238	2,182	70,915	2,332	75,790
Household goods	5	1,000	5	1,000	5	1,000
Total	32,577	1,761,788	30,584	1,702,911	31,248	1,820,991
Passengers	1,154		970		922	

	Lock No. 6.		Lock No. 7.		Lock No. 21.	
Total lockages	256		254		368	
Craft:						
Government boats	27		27		4	
Packets	102		103		140	
Small craft	18		15		109	
Towboats	7		12		53	
Sand dredges	.....		.....		2	
Rafts	103		100		1	
Barges	76		66		197	
CARGO.	Short tons.	Valuation.	Short tons.	Valuation.	Short tons.	Valuation.
Animals and animal products:						
Cattle	572	$57,200	523	$52,300	124	$12,400
Eggs	59	20,650	58	20,300	242	84,700
Hogs	2,473	420,410	2,432	413,440	982	166,940
Horses	17	2,890	173	29,410	.....	.....
Poultry	25	9,000	24	8,640	178	64,080
Sheep	16	2,000	51	6,375	1	125
Vegetable food products:						
Corn	325	8,775	315	8,505	.....	.....
Flour	441	44,100	428	42,800	434	43,400
Groceries	1,184	236,800	1,323	264,600	1,880	376,000
Hay	29	580	13	260	3	60
Oats	28	1,260	62	2,790	23	1,035
Peas	80	8,000	71	7,100	5	500
Potatoes	26	1,638	20	1,260	22	1,386
Wheat	51	2,550	51	2,550	60	3,000
Other vegetable products: Tobacco	30	10,800	11	3,960	21	7,560
Textiles: General merchandise	2,033	406,600	2,029	405,800	3,025	605,000
Wood and paper:						
Handles and spokes	981	98,100	1,211	121,100	1,242	124,200
Logs	15,418	131,053	15,213	129,311	309	2,627
Lumber	519	10,380	543	10,860	996	19,920
Posts	350	4,900	693	9,702	3	42
Staves	.....	.....	.....	.....	809	12,135
Telegraph poles	3,677	102,956	160	4,480	.....	.....
Ties, railroad	538	3,497	577	3,751	.....	.....
Nonmetallic minerals:						
Brick	21	158	23	173	2	15
Cement	4	56	4	56	474	6,636
Coal	.....	.....	2	9	403	1,814
Lime	9	126	9	126	6	84
Oils	360	14,400	359	14,360	64	2,560
Salt	.....	.....	33	759	88	2,024
Machinery and vehicles: Machinery	289	57,890	283	56,600	880	176,000
Chemicals: Fertilizer	2,417	79,553	2,316	75,270	1,142	37,115
Household goods	5	1,000	5	1,000	.....	.....
Total	31,977	1,736,232	29,015	1,697,647	13,418	1,751,378
Passengers	862		867		2,101	

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CHATTANOOGA, TENN., DISTRICT.

TENNESSEE RIVER ABOVE CHATTANOOGA.

Comparative statement of traffic.

Years.	Tons.	Value.	Passengers.	Years.	Tons.	Value.	Passengers.
1892	91,187	(1)	(1)	1907	596,380	$3,830,790	1,789
1893	71,026	(1)	(1)	1908	621,500	3,187,620	6,711
1894	160,818	(1)	(1)	1909	370,430	2,320,360	11,289
1895	265,256	$4,527,589	16,295	1910	341,540	[2] 2,570,880	(1)
1896	623,915	2,788,022	38,240	1911	394,176	[2] 2,856,227	(1)
1897	256,331	2,693,803	13,989	1912	474,953	4,424,446	(1)
1898	218,378	2,425,066	7,657	1913	469,685	2,707,363	2,010
1899	269,552	2,839,037	10,686	1914	305,616	2,356,992	5,741
1900	[2] 380,607	3,847,629	9,867	1915	402,622	3,403,995	11,744
1901	294,607	2,604,931	6,988	1916	345,604	2,212,509	2,240
1902	478,268	4,296,822	5,146	1917	613,243	3,535,925	592
1903	552,268	4,483,229	4,939	1918	529,299	2,801,202	70
1904	562,677	4,473,617	5,507	1919	589,660	4,961,624	634
1905	486,406	6,673,532	5,335	1920	581,055	1,854,437	1,855
1906	475,515	3,443,923	7,004	1921	486,760	1,182,893	1,228

[1] No statistics available.
[2] Changed to correct totals.

Season of navigation: Light-draft traffic was possible for the entire year; for large boats navigation was suspended for the low-water months of July, August, and September.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
DOWN BOUND, INTERNAL.						*Miles.*	*Cents.*
Animals and animal products			60.3		$11,539		
Cattle		9.5		$1,520		45	10.0
Eggs		.9		450		45	22.2
Hogs		43.4		6,944		45	22.2
Horses		2.0		450		45	24.4
Mules		3.5		1,575		45	24.4
Poultry		1.0		600		45	22.2
Vegetable food products			9,937.7		277,61		
Corn		7,416.3		148,326		28	7.9
Cotton seed		3.0		90		45	5.7
Hay		1,860.3		46,508		30	8.0
Oats		23.4		585		45	5.7
Peas		14.0		1,540		40	12.5
Shucks		9.0		72		40	6.0
Straw		61.5		923		45	7.5
Strawberries		164.0		65,600		15	16.6
Wheat		386.2		13,517		30	7.3
Textiles: Cotton		60.8	60.8	21,888	21,888	45	13.3
Wood and paper			10,605.7		104,610		
Logs—							
Towed on barge	2,805.0			22,440		30	4.0
Rafted	4,111.0			32,888		110	
Lumber	3,016.0			45,240		50	2.2
Railroad ties	673.7			4,042		55	1.8
Nonmetallic minerals			224,257.0		220,286		
Coal	500.0			2,500		10	(1)
Bricks	9.5			38		40	3.5
Sand and gravel	223,747.5			223,748		15	3.3
Ores, metals, and manufactures:							
Iron ore	3,500.0		3,500.0	17,500	17,500		
Machinery and vehicles			13.5		3,050		
Machinery		10.0		2,000		20	8.0
Skiffs		3.5		1,050		45	11.1

[1] All hauled by owners.

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TENNESSEE RIVER ABOVE CHATTANOOGA—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
DOWNBOUND, INTERNAL—CON.						*Miles.*	*Cents.*
Unclassified: General merchandise		75.0	80.0	$15,000	$15,500	125	8.0
Household goods		5.0		500		30	10.0
Total	238,362.7	10,152.3	248,515.0		677,534		
UPBOUND, INTERNAL.							
Vegetable food products			2,284.3		53,210		
Corn		1,640.0		32,800		20	10.0
Cottonseed meal		8.5		340		25	20.0
Flour		26.1		2,610		45	8.8
Hay		498.0		12,450		20	10.0
Mixed feed		10.0		400		50	6.0
Oats		7.5		188		40	5.0
Peas		15.0		1,650		50	10.0
Wheat		79.2		2,772		25	8.0
Wood and paper			15,553.8		93,964		
Logs	218.7			1,750		8	18.7
Railroad ties	15,335.1			92,214		40	1.7
Nonmetallic minerals			219,481.4		219,785		
Bricks	33.7			135		45	3.5
Cement		4.6		55		45	8.8
Marble		6.8		82		45	17.7
Salt		1.3		78		40	10.0
Sand and gravel	219,435.0			219,435		6	(1)
Machinery and vehicles			26.5		5,350		
Machinery		26.0		5,200		45	27.7
Skiffs		.5		150		45	11.1
Chemicals: Fertilizer		275.0	275.0	8,250	8,250	35	7.4
Unclassified: General merchandise		624.0	624.0	124,800	124,800	45	17.7
Total	235,022.5	3,222.5	238,245.0		505,359		
Total downbound and upbound	473,385.2	13,374.8	486,760.0		1,182,893		

[1] All hauled by owners.

Number of passengers carried, 1,228.

TENNESSEE RIVER BETWEEN CHATTANOOGA, TENN., AND FLORENCE, ALA. (EXCEPT BROWNS ISLAND TO FLORENCE, ALA.).

Comparative statement of traffic.

Years.[1]	Tons.	Value.	Passengers.	Years.[1]	Tons.	Value.	Passengers.
1892	78,820	(2)	(2)	1907	[3] 267,929	$10,537,000	23,797
1893	77,325	(2)	(2)	1908	[3] 202,450	8,115,735	18,687
1894	173,355	(2)	(2)	1909	[3] 288,750	10,020,990	20,103
1895	117,357	$2,099,520	9,016	1910	207,100	9,367,650	(2)
1896	131,406	2,686,147	21,163	1911	[3] 292,020	11,151,471	(2)
1897	247,422	4,078,227	31,846	1912	[3] 316,218	12,187,595	(2)
1898	224,456	3,578,120	31,370	1913	[3] 192,881	13,865,924	7,010
1899	253,340	6,118,618	32,894	1914	[3] 207,232	12,334,623	3,182
1900	229,160	5,499,779	30,838	1915	171,328	9,311,081	7,034
1901	129,160	4,584,322	18,611	1916	208,443	8,963,076	10,169
1902	137,861	5,567,464	18,139	1917	170,968	15,611,914	27,193
1903	[3] 297,851	7,439,914	17,134	1918	141,486	14,341,795	22,173
1904	173,406	7,204,682	14,420	1919	154,250	14,486,683	19,215
1905	175,800	9,475,632	14,799	1920	185,242	12,002,313	20,434
1906	[3] 413,751	10,146,386	24,380	1921	118,385	8,435,874	15,580

[1] Years from 1892 to 1919, inclusive, are for the section of river between Chattanooga, Tenn., and Florence, Ala. The years 1920 and 1921 are for the section of river between Chattanooga, Tenn., and Browns Island.
[2] No statistics available.
[3] Changed to correct totals.

The above tabulations include Nashville, Chattanooga & St. Louis Railway car ferry traffic, which moved a distance of 22 miles by water.

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TENNESSEE RIVER BETWEEN CHATTANOOGA, TENN., AND FLORENCE, ALA.—continued.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
DOWN BOUND, INTERNAL.						*Miles.*	*Cents.*
Animals and animal products			372.0		$9,885		
Horses		6.0		$1,350		53	20.7
Mules		7.0		3,150		53	20.7
Mussel shells		359.0		5,385		53	4.5
Vegetable food products			4,008.0		102,616		
Corn		2,927.4		58,548		53	4.7
Cotton seed		820.0		24,600		53	4.7
Flour		172.7		17,270		53	7.4
Hay		72.0		1,800		12	(1)
Oats		15.9		398		53	4.7
Textiles: Cotton		357.8	357.8	128,804	128,804	53	11.3
Wood and paper			13,990.7		100,199		
Logs—							
Towed on barge	1,710.1			13,681		45	4.4
Rafted	1,919.0			15,352		110	
Lumber	1,056.0			15,840		48	(1)
Stave bolts	30.0			600		6	(1)
Shingles		.6		36		53	15.0
Railroad ties	9,035.0			54,210		30	(1)
Wood	240.0			480		34	(1)
Nonmetallic minerals			6,881.9		16,057		
Asphalt		200.0		7,000		39	5.1
Bricks	331.4			1,326		53	3.0
Cement		96.2		1,154		53	7.5
Marble		29.3		352		53	15.0
Sand and gravel	6,225.0			6,225		25	(1)
Machinery and vehicles			26.1		5,330		
Machinery		25.0		5,000		53	24.5
Skiffs		1.1		330		53	9.5
Chemicals: Fertilizer		1,564.0	1,564.0	46,920	46,920	53	5.2
Unclassified: General merchandise		851.0	851.0	170,200	170,200	53	15.3
Total	20,546.5	7,505.0	28,051.5		580,011		
UPBOUND, INTERNAL.							
Animals and animal products			429.3		73,572		
Cattle		339.0		54,240		53	8.3
Eggs		2.3		1,150		53	18.8
Hogs		67.9		10,864		53	18.8
Horses		7.5		1,688		53	20.7
Mules		7.0		3,150		53	20.7
Poultry		3.6		2,160		53	18.8
Sheep		2.0		320		53	15.0
Vegetable food products			3,936.9		111,422		
Corn		1,054.9		21,098		53	4.7
Cotton seed		2,315.0		69,450		53	9.5
Flour		76.8		7,680		53	7.5
Hay		482.3		12,058		53	6.4
Oats		4.1		1,025		53	4.7
Rye		2.2		55		53	4.7
Wheat		1.6		56		53	4.7
Textiles: Cotton		1,712.3	1,712.3	616,428	616,428	35	14.2
Wood and paper			10,459.9		117,881		
Ax-handle bolts	14.0			280		18	6.9
Logs	1,548.0			12,364		35	3.8
Lumber	5,962.0			89,430		27	4.6
Stave bolts	40.0			800		18	5.5
Railroad ties	2,303.9			13,823		45	2.2
Wood	592.0			1,184		53	2.2
Nonmetallic minerals: Coal	1,000.0		1,000.0	5,000	5,000	20	(1)
Machinery and vehicles			4.1		930		
Machinery		3.0		600		53	24.5
Skiffs		1.1		330		53	9.5
Chemicals: Fertilizer		882.0	882.0	26,460	26,460	53	5.2
Unclassified: General merchandise		525.0	525.0	105,000	105,000	53	15.3
Total	11,459.9	7,489.6	18,949.5		1,056,693		
Total down bound and upbound	32,006.4	14,994.6	47,001.0		1,636,704		

[1] All hauled by owners.

Number of passengers carried, 2,255.

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TENNESSEE RIVER BETWEEN CHATTANOOGA, TENN., AND FLORENCE, ALA.—continued.

Railroad car ferry traffic.

Commodities.	Amount in short tons.	Value.
Horses and mules	50	$16,900
Cattle	90	14,400
Hogs	61	9,760
Packing-house products	11	5,500
Poultry	199	119,400
Eggs	35	17,500
Hides and leather	9	9,000
Canned goods (meats)	718	143,600
Wheat	20	700
Corn	1,223	24,460
Vegetable oils	31	620
Oats	695	17,375
Sugar, sirup, glucose, and molasses	419	50,280
Flour and meal	1,445	112,125
Other mill products	821	4,105
Hay, straw, and alfalfa	685	17,125
Cotton seed	2,377	71,315
Fresh fruits	19	19,000
Potatoes	102	8,160
Fresh vegetables	86	34,400
Ice	12	120
Other fruits and vegetables	109	54,500
Other products of agriculture	377	27,275
Tobacco	45	90,000
Cotton	5,448	1,961,280
Dry goods	98	98,000
Logs, post, poles, and cordwood	2,339	35,085
Railroad ties	1,611	9,666
Lumber, timber, staves, and headings	3,191	47,865
Other products of forest	1,503	15,030
Furniture	23	11,500
Coal	6,418	32,090
Coke	2,083	20,830
Sand and gravel	368	368
Salt	453	27,180
Other products of mine	80	400
Refined petroleum	1,725	51,750
Cement	369	4,428
Bricks and artificial stone	447	1,788
Lime and plaster	194	1,940
Sewer pipe and drain tile	29	870
Other ores	115	575
Iron, pig, and bloom	4,428	132,840
Rails and fastenings	420	42,000
Bar and sheet iron, iron pipe, structural iron	3,651	109,530
Other metals, pig, bar, and sheet	97	2,910
Machinery and boilers	155	31,000
Agricultural implements and vehicles	35	3,500
Automobiles and trucks	144	100,800
Fertilizer	2,556	76,680
Chemicals and explosives	422	84,400
Household goods	10	1,000
Manufactures and miscellaneous goods	13,122	984,150
General merchandise	10,211	2,042,200
Total	71,384	6,799,170

Number of passengers carried, 13,325.

Above tabulation covers Nashville, Chattanooga & St. Louis Railroad car ferry traffic between Hobbs Island and Guntersville, Ala., a distance of 22 miles by water. This traffic is handled by towboats on large transfer barges which accommodate from 8 to 10 cars each. The ferry is a connecting link between the railroad company's lines on right and left banks of the river.

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TENNESSEE RIVER BETWEEN FLORENCE, ALA., AND RIVERTON, ALA.

Comparative statement of traffic.

Year.[1]	Tons.	Value.	Passengers.	Year.[1]	Tons.	Value.	Passengers.
1906	[2] 766,118	$10,930,300	23,744	1914	[2] 449,956	$6,428,874	21,561
1907	[2] 643,007	10,921,250	25,810	1915	471,006	5,624,908	12,557
1908	[2] 552,560	10,636,445	26,058	1916	408,578	8,064,091	23,228
1909	[2] 375,570	9,020,840	23,360	1917	416,304	9,745,016	15,566
1910	[2] 464,030	8,480,400	([3])	1918	280,602	5,783,318	5,590
1911	[2] 431,113	7,304,412	([3])	1919	245,759	6,909,136	5,728
1912	[2] 373,625	6,261,650	([3])	1920	36,809	173,599	894
1913	[2] 480,105	6,130,874	15,875	1921	26,671	214,590	865

[1] Years 1906 to 1919, inclusive, are for the section of river between Florence, Ala., and Paducah, Ky. The years 1920 and 1921 are for the section of river between Florence, Ala., and Riverton, Ala.
[2] Changed to correct totals.
[3] No statistics available.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
DOWNBOUND, INTERNAL.						*Miles.*	*Cents.*
Animals and animal products			33.6		$7,410		
Cattle		17.0		$2,720		27	14.8
Eggs		1.5		900		27	18.5
Hogs		9.0		1,440		27	37.0
Horses		2.0		450		27	40.0
Mules		3.0		1,350		27	40.0
Poultry		1.1		550		27	18.5
Vegetable food products			102.3		6,730		
Flour		8.5		850		27	14.8
Groceries		25.0		5,000		27	18.5
Ice		56.0		560		27	22.2
Soda water		[illegible].8		320		27	18.5
Wood and paper			25,951.4		159,357		
Logs, rafted	1,586.0			12,688		20	
Lumber	53.0			795		27	6.8
Railroad ties	24,312.4			145,874		19	6.3
Nonmetalic minerals			77.7		$2,069		
Bricks	25.7			103		27	6.6
Cement		8.0		96		27	14.8
Coal	14.0			70		27	11.8
Gasoline		30.0		1,800		27	18.5
Unclassified: General merchandise		6.0	6.0	1,200	1,200	27	29.0
Total	25,991.1	179.9	26,171.0		176,766		
UPBOUND, INTERNAL.							
Animals and animal products			3.6		1,380		
Cattle		1.5		240		27	11.8
Eggs		1.2		540		27	18.5
Poultry		.9		600		27	18.5
Vegetable food products			406.9		12,554		
Corn		296.8		5,936		27	14.8
Cotton seed		23.0		690		27	9.2
Flour		50.0		5,000		27	14.8
Hay		30.6		765		27	12.6
Oats		6.5		163		27	9.6
Textiles: Cotton		55.5	55.5	19,980	19,980	27	18.5
Wood and paper			6.0		260		
Lumber	4.0			60		27	6.8
Soda water cases, empty		2.0		200		27	14.8
Nonmetalic minerals: Coal	10.0		10.0	50	50	27	14.8
Ores, metals and manufactures: Iron drums, empty		6.0	6.0	1,200	1,200	27	18.5
Unclassified: General merchandise		12.0	12.0	2,400	2,400	27	29.6
Total	14.0	486.0	500.0		37,824		
Total downbound and upbound	26,005.1	665.9	26,671.0		214,590		

Number of passengers carried, 865.

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HALES BAR LOCK, TENN.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1914	10,394	$767,406	4,085	1918	19,369	$1,252,553	3,471
1915	15,685	866,046	1,794	1919	18,951	1,186,421	2,134
1916	20,712	1,220,734	3,375	1920	16,590	618,893	1,647
1917	15,681	1,043,903	1,685	1921	14,321	618,416	1,197

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package		By commodities.	By classes.
DOWN BOUND, INTERNAL.					
Vegetable food products			98.8		$11,567
Beans		29.7		$3,564	
Corn meal		2.2		55	
Flour		33.8		3,380	
Groceries		15.2		3,040	
Onions		1.6		224	
Potatoes		16.3		1,304	
Nonmetallic minerals			933.9		7,588
Bricks	2.8			11	
Coal [1]	886			4,430	
Gasoline		1		60	
Lime		.5		7	
Oil		11.6		1,160	
Salt		32		1,920	
Ores, metals and manufactures			6.7		840
Hardware		3.2		560	
Sewer pipe		3.5		280	
Machinery and vehicles: Machinery		18.5	18.5	3,700	3,700
Chemicals: Fertilizer		76	76	2,280	2,280
Unclassified			1,064		214,750
General merchandise		1,044.5		212,800	
Household goods		19.5		1,950	
Total	888.8	1,309.1	2,197.9		240,725
UPBOUND, INTERNAL.					
Animals and animal products			145.2		26,072
Cattle		67.5		10,800	
Eggs		2.8		1,400	
Goats		1		160	
Hogs		53.5		8,560	
Horses		15.5		3,488	
Poultry		2		1,200	
Sheep		2.9		464	
Vegetable food products			4,821.1		110,255
Corn		3,388.2		67,764	
Cotton seed		1,162.5		34,875	
Hay		215.1		5,378	
Oats		25		625	
Peas		13		1,300	
Produce		1		75	
Shucks		12.3		98	
Wheat		4		140	
Other vegetable products: Tan bark	10.5		10.5	189	189
Textiles: Cotton		472.5	472.5	170,100	170,100
Wood and paper			6,357.4		70,578
Logs	78			624	
Lumber	3,688.6			55,329	
Railroad ties	2,360.8			14,165	
Wood	230			460	
Nonmetallic minerals			316.4		497
Cement		16.4		197	
Sand and gravel	300			300	
Total	6,667.9	5,455.2	12,123.1		377,691
Total down bound and upbound	7,556.7	6,764.3	14,321		618,416

[1] For Government use.

Number of passengers carried, 1,197.

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COLBERT SHOALS CANAL, ALA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1911	14,245	$112,603	56	1917	38,286	$917,173	1,386
1912	31,943	232,672	1,436	1918	19,980	336,900	1,239
1913	30,710	214,888	1,113	1919	26,412	1,233,947	1,016
1914	23,734	441,400	1,112	1920	25,107	238,607	995
1915	32,271	352,150	1,526	1921	13,412	344,595	865
1916	44,414	1,472,407	1,264				

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
DOWN BOUND, INTERNAL.					
Vegetable food products			487.4		$52,964
Apples		0.9		$68	
Cottonseed meal		1		40	
Flour		169.7		16,970	
Groceries		139.7		27,940	
Ice		56.5		565	
Mixed feed		.5		20	
Potatoes		79.7		6,376	
Soda water		39.4		985	
Wood and paper			11,214.2		69,340
Logs	240			1,920	
Lumber	174.9			2,624	
Ties	10,799.3			64,796	
Nonmetallic minerals			67.1		1,314
Bricks	50.9			204	
Cement		5.8		70	
Oil		10.4		1,040	
Ores, metals, and manufactures: Hardware		605	605	105,875	105,875
Vehicles and machinery: Machinery		1.5	1.5	300	300
Chemicals: Fertilizer		117.5	147.5	3,525	3,525
Unclassified			162.1		32,260
General merchandise		160.5		32,100	
Household goods		1.6		160	
Total	11,265.1	1,389.7	12,654.8		265,578
UPBOUND, INTERNAL.					
Animals and animal products			120.2		18,552
Cattle		37.5		6,000	
Eggs		6.4		3,200	
Hogs		11.2		1,792	
Mussel shells		64		960	
Poultry		1.1		6,600	
Vegetable food products			494.2		14,438
Beans		14.9		1,788	
Corn		226.5		4,530	
Cotton seed		201.5		6,045	
Hay		26.8		670	
Millet seed		3.5		280	
Oats		9		225	
Produce		12		900	
Textiles: Cotton		119	119	42,840	42,840
Nonmetallic minerals: Coal	15.5		15.5	78	78
Ores, metals, and manufactures: Drums, iron, empty		7.3	7.3	2,409	2,409
Machinery and vehicles: Automobiles		1	1	700	700
Total	15.5	741.7	757.2		79,017
Total down bound and upbound	11,280.6	2,131.4	13,412		344,595

Number of passengers carried, 865.

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FRENCH BROAD AND LITTLE PIGEON RIVERS, TENN.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1892	12,500	(1)	(1)	1907	82,669	$567,769	249
1893	17,425	(1)	(1)	1908	26,930	397,360	600
1894	49,398	(1)	(1)	1909	15,315	326,860	2,525
1895	42,898	$1,333,962	4,733	1910	17,450	634,080	(1)
1896	[2] 249,204	1,469,835	21,200	1911	30,224	[2] 986,740	(1)
1897	70,756	617,255	3,020	1912	31,179	[2] 825,831	(1)
1898	124,960	928,361	4,671	1913	[2] 66,728	[2] 481,194	(1)
1899	102,263	779,705	3,625	1914	[2] 89,093	[2] 280,546	(1)
1900	160,827	1,225,677	3,150	1915	8,866	322,686	(1)
1901	103,340	922,032	3,100	1916	94,336	195,288	(1)
1902	157,819	1,810,722	940	1917	129,701	199,421	(1)
1903	102,076	1,089,453	1,156	1918	4,231	230,644	(1)
1904	258,847	[2] 2,129,246	2,811	1919	1,720	115,289	(1)
1905	188,700	1,599,587	3,852	1920			
1906	139,157	976,424	(1)	1921	2,410	62,318	700

[1] No statistics available. [2] Changed to correct totals.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
DOWN BOUND, INTERNAL.							
Animals and animal products:						*Miles.*	*Cents.*
Hogs		34.5	34.5	$5,520	$5,520	40	25.0
Vegetable food products			2,315		50,582		
Corn		1,656		33,120		40	5.0
Hay		449		11,225		40	6.0
Oats		15		375		40	5.0
Shucks		9		72		40	6.0
Straw		36		540		40	6.0
Wheat		150		5,250		40	5.0
Nonmetallic minerals: Bricks	9.5		9.5	38	38	40	3.5
Total	9.5	2,349.5	2,359		56,140		
UPBOUND.							
Vegetable food products			31		2,178		
Cottonseed meal		8.5		340		25	20.0
Oats		7.5		188		25	20.0
Peas		15		1,650		50	10.0
Unclassified: General merchandise		20	20	4,000	4,000	40	17.5
Total		51	51		6,178		
Total down bound and upbound	9.5	2,390.5	2,410		62,318		

Number of passengers carried, 700

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CLINCH RIVER, TENN.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers
1892	25,000	(1)	(1)	1907	94,655	$1,522,950	760
1893	608	(1)	(1)	1908	64,410	386,460	(1)
1894	12,982	(1)	(1)	1909	35,400	212,400	(1)
1895	68,900	$439,409	1,048	1910	18,385	123,400	(1)
1896	39,456	357,783	2,634	1911	23,897	194,370	(1)
1897	102,629	903,238	3,017	1912	27,571	[2] 237,758	(1)
1898	160,345	865,759	1,757	1913	23,294	[2] 178,280	(1)
1899	185,091	2,391,624	7,386	1914	23,180	243,766	(1)
1900	132,511	1,462,294	3,799	1915	5,291	53,910	(1)
1901	164,586	1,633,103	3,788	1916	23,885	175,165	(1)
1902	129,925	2,272,348	3,758	1917	8,983	78,018	(1)
1903	161,716	2,847,373	3,614	1918	8,376	83,760	(1)
1904	100,701	1,930,686	5,222	1919	69,831	1,655,672	(1)
1905	126,800	4,733,303	5,228	1920	5,361	49,084	(1)
1906	112,284	2,161,130	(1)	1921	6,919	52,048	(1)

[1] No statistics available. [2] Changed to correct total.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
DOWN BOUND, INTERNAL.						*Miles.*	*Cents.*
Wood and paper			6,919		$52,048		
Rafted:							
Logs	4,267			$36,136		100	
Railroad ties	2,652			15,912		60	
Total	6,919		6,919		52,048		

No upbound traffic.

HIAWASSEE RIVER, TENN.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers	Year.	Tons.	Value.	Passengers.
1892	10,129	(1)	(1)	1909	3,020	$100,150	200
1893	6,692	(1)	(1)	1910	3,078	102,640	(1)
1894	[2] 9,839	(1)	(1)	1911	3,717	100,271	(1)
1895	8,876	$145,431	833	1912	4,112	200,800	(1)
1901	1,756	62,530	400	1913	2,639	55,666	(1)
1902	16,041	340,207	638	1914	2,342	138,563	(1)
1903	13,852	412,412	975	1916	468	10,392	(1)
1904	3,003	77,580	260	1917	2,152	96,854	(1)
1905	10,875	724,655	67	1918	635	37,150	(1)
1906	[2] 3,563	139,225	200	1919	506	75,900	(1)
1907	[2] 7,040	295,910	360	1920	110	4,385	(1)
1908	6,330	176,160	124	1921	928	54,779	(1)

[1] No statistics available. [2] Changed to correct totals.

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HIAWASSEE RIVER, TENN.—continued.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
DOWN BOUND, INTERNAL.						*Miles.*	*Cents.*
Vegetable food products			346.4		$9,816		
Corn		135.4		$2,708		22	9
Hay		86.4		2,160		22	8
Peas		9.4		940		12	25
Straw		1.2		18		12	20
Wheat		114		3,990		15	9.3
Wood and paper			166.6		2,395		
Lumber	155			2,325		5	13
Railroad ties	11.6			70		20	5
Machinery and vehicles: Machinery		10	10	2,000	2,000	60	21.6
Total	166.6	356.4	523		14,211		
UPBOUND, INTERNAL.						*Miles.*	*Cents.*
Animals and animal products:							
Hogs		4.6	4.6	736	736	20	50
Vegetable food products			126.5		29,228		
Beans		.3		36		20	10
Corn		42.6		852		20	10
Hay		13.6		340		20	10
Strawberries		70		28,000		12	12.5
Textiles: Cotton		20.9	20.9	2,526	2,526	12	41.6
Wood and paper: Lumber	90		90	1,350	1,350	20	3.7
Nonmetallic minerals: Brick	132		132	528	528	20	5.5
Unclassified: General merchandise		31	31	6,200	6,200	12	66.7
Total	222	183	405		40,568		
Total down bound and upbound	388.6	539.4	928		54,779		

FLORENCE, ALA., DISTRICT.

MUSCLE SHOALS CANAL, TENNESSEE RIVER.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1915	7,982	$686,096	120	1919	8,225	$1,441,601	
1916	10,439	836,502	60	1920	8,127	876,985	
1917	8,677	1,001,288	18	1921	5,430	633,845	
1918	5,982	1,155,218					

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MUSCLE SHOALS CANAL, TENNESSEE RIVER—continued.

[Navigation season, all year round.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.[1]
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND, LOCAL.						*Miles.*	
Animals and animal products			0.60		$64.00		
Cattle	0.40			$24.00		11.2	
Hogs	.20			40.00		11.2	
Vegetable food products			1,155.69		29,015.10		
Corn		17.19		552.60		10.5	
Cotton seed		1,138.50		28,462.50		8.5	
Textiles: Cotton		1,384	1,384	498,240.00	498,240.00	10	
Wood and paper			1,010.37		7,810.20		
Logs	40			250.00		9.3	
Lumber	398			4,776.00		9.3	
Ties, railroad	276.12			1,994.20		11.2	
Wood	296.25			790.00		9.3	
Unclassified			8		515.00		
Oil barrels, empty		1.40		35.00		11.2	
Oil drums, empty		6.60		480.00		11.2	
Machinery and vehicles: Automobiles		1	1	1,000.00	1,000.00	1.3	
Total	1,010.97	2,548.69	3,559.66		536,644.30		
DOWN BOUND, LOCAL.							
Vegetable food products			173.96		15,150.64		
Cottonseed meal		3		105.00		11.2	
Flour		157.68		14,481.00		8.5	
Hay		4.88		87.84		10.3	
Oats		1.92		64.80		11.2	
Potatoes		5.73		382.00		11.2	
Produce		.75		30.00		11.2	
Textiles: Cotton bagging		3.40	3.40	680.00	680.00	9.2	
Nonmetallic minerals			285.20		3,372.91		
Brick	189			982.80		11.2	
Cement		55.80		792.36		11.2	
Lime		8.37		162.75		8	
Oil		31.63		1,395.00		11.2	
Grease, cup		.40		40.00		11.2	
Ores, metals and manufactures: Cotton ties		2.78	2.78	194.25	194.25	9.4	
Machinery and vehicles: Machinery		26	26	5,200.00	5,200.00	11.2	
Chemicals			1,111.15		34,758.00		
Fertilizer		1,069		33,915.00		8.1	
Salt		42.15		843.00		8.6	
Unclassified			268.25		37,845.00		
Coca Cola sirup		.25		150.00		11.2	
Groceries		17.50		2,625.00		8.1	
Merchandise, miscellaneous		250.50		35,070.00		8.1	
Total	189	1,681.74	1,870.74		97,200.80		
Total upbound and down bound, local	1,199.97	4,230.43	5,430.40		633,845.10		

[1] Impracticable to obtain rate per ton-mile.

During the calendar year 1921 there were no cargoes in transit, railroad car-ferry traffic, nor other traffic crossing the canal.

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MUSCLE SHOALS CANAL, TENNESSEE RIVER—continued.

SUMMARY.

Classes of commodities.	Tons.	Value.	Classes of commodities.	Tons.	Value.
Animals and animal products	0.60	$64.00	Machinery and vehicles	27.00	$6,200.00
Vegetable food products	1,329.65	44,165.74	Chemicals	1,111.15	34,758.00
Textiles	1,387.40	498,920.00	Unclassified	276.25	38,260.00
Wood and paper	1,010.37	7,810.20	Total	5,430.40	633,845.10
Nonmetallic minerals	285.20	3,372.91			
Ores, metals and manufactures	2.78	194.25			

The following statement shows boats using Muscle Shoals Canal during the calendar year 1921:

Name.	Kind.	Draft.	Tonnage.	Class of freight.	Barges in tow.	Schedule.
		Ins.				
Annie Lou	Gasoline towboat.	18	13	Logs, lumber, etc.	Two 40-ton	Irregular between Decatur, Ala., and Rose Landing. (Between Locks 1 and 2).
Hiwassee	do	20	17	Cotton and general merchandise.	Two 75-ton	About two trips per week between Decatur, Ala., and Belews Landing. (Between Locks 2 and 3.)
May Bell	do	18	9	General merchandise.	One 50-ton	Irregular between Decatur, Ala., and Belews Landing.
Sam Conner	Steamboat.	32	47	Cotton, fertilizer, and general merchandise.	Two to three 60 to 100 tons.	Only operated in April, 1921.
J. P. Hagler	Gasoline towboat.	18	13	Cotton seed	Two 50 to 100 tons.	Only operated in June, 1921.
Lambs Ferry	do	18	9	Fertilizer	One 50-ton	Only operated in April, 1921.

Report of traffic through Muscle Shoals Canal for calendar year 1921.

Commodities.	Locks.					
	A	B	1	2	Total.	Value.
	Tons.	*Tons.*	*Tons.*	*Tons.*		
Corn	17.19	17.19	15.08	15.08	17.19	$552.60
Cotton	1,384.00	1,384.00	1,281.25	1,281.25	1,384.00	498,240.00
Cotton seed	1,138.50	1,138.50	588.50	588.50	1,138.50	28,462.50
Hay	4.88	4.88	4.10	4.10	4.88	87.84
Cattle	.40	.40	.40	.40	.40	24.00
Hogs	.20	.20	.20	.20	.20	40.00
Oats	1.92	1.92	1.92	1.92	1.92	64.80
Potatoes	5.73	5.73	5.73	5.73	5.73	382.00
Produce	.75	.75	.75	.75	.75	30.00
Oil in drums	6.75	6.75	6.75	6.75	6.75	330.00
Oil in barrels	24.88	24.88	24.88	24.88	24.88	1,065.00
Grease, cup	.40	.40	.40	.40	.40	40.00
Oil barrels, metal	1.40	1.40	1.40	1.40	1.40	35.00
Oil drums, metal	6.60	6.60	6.60	6.60	6.60	480.00
Logs, feet board measure	40.00	40.00	40.00	.....	40.00	250.00
Lumber, feet board measure	398.00	398.00	398.00	.....	398.00	4,776.00
Ties	276.12	276.12	276.12	276.12	276.12	1,994.20
Wood	296.25	296.25	296.25	.....	296.25	790.00
Cottonseed meal	3.00	3.00	3.00	3.00	3.00	105.00
Brick	189.00	189.00	189.00	189.00	189.00	982.80
Cement	55.80	55.80	55.80	55.80	55.80	792.36
Fertilizer	1,069.00	1,069.00	469.00	469.00	1,069.00	33,915.00
Flour	157.68	157.68	79.48	79.48	157.68	14,481.90
General merchandise	250.50	250.50	110.50	110.50	250.50	35,070.00
Groceries	17.50	17.50	7.50	7.50	17.50	2,625.00
Lime	8.37	8.37	3.57	3.57	8.37	162.75
Machinery	26.00	26.00	26.00	26.00	26.00	5,200.00
Coca cola	.25	.25	.25	.25	.25	150.00
Cotton bagging	3.40	3.40	2.15	2.15	3.40	680.00
Cotton ties	2.78	2.78	1.88	1.88	2.78	194.25
Salt	42.15	42.15	22.15	22.15	42.15	843.00
Automobiles	1.00	1.00	.....	.....	1.00	1,000.00
Total	5,430.40	5,430.40	3,918.61	3,184.36	5,430.40	633,845.10
Lockages	191	191	145	107	.....	.....

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With the exception of that shown in the report on Muscle Shoals Canal, there was no commerce on this waterway within the limits of the Florence district, the river in the vicinity of Wilson Dam having been closed to navigation by authority of the Secretary of War, to remain closed during the period of construction.

OHIO RIVER.

Comparative statement of traffic.

[Traffic through locks and open river and traffic by ferries not separate.]

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1892	6,901,186	(1)	1,476,363	1905	13,163,656	$92,145,592	4,193,971
1893	7,371,904	(1)	858,797	1906	11,427,784	79,994,488	4,349,069
1894	7,795,501	(1)	1,033,492	1907	11,306,544	79,145,808	4,414,213
1895	7,963,478	(1)	806,030	1908	8,498,754	50,491,278	3,960,965
1896	9,914,435	(1)	1,223,296	1909	8,676,701	60,736,907	4,671,794
1897	11,265,638	(1)	1,914,763	1910	11,112,216	358,899,889	4,313,828
1898	6,756,627	(1)	2,335,963	1911	12,046,294	82,074,878	3,827,365
1899	13,529,742	(1)	3,612,985	1912	8,618,369	71,064,229	3,832,289
1900	14,054,322	(1)	3,881,588	1913	9,814,123	77,026,901	4,270,786
1901	10,064,978	(1)	4,304,730	1914	9,530,309	93,294,479	3,955,911
1902	12,202,017	(1)	4,517,635	1915	9,273,184	188,510,914	5,017,375
1903	12,499,842	(1)	4,286,031	1916	7,917,112	165,130,487	4,150,411
1904	10,142,551	(1)	3,951,384				

	Short tons.	Value.	Passengers.
Calendar year 1917:			
Through locks and open river	4,598,875.32	$70,510,378.97	637,376
Ferries	1,550,338.00	238,762,376.76	2,823,634
Total	6,149,213.32	309,272,755.73	3,461,012
Calendar year 1918:			
Through locks and open river	6,171,412.70	77,685,322.47	864,353
Ferries	451,528.30	67,969,594.81	9,467,556
Total	6,662,941.00	145,654,917.28	10,331,909
Calendar year 1919:			
Through locks and open river	5,004,377.74	88,912,135.54	1,048,066
Ferries	465,045.86	97,798,196.67	3,260,225
Total	5,469,423.60	186,710,332.21	4,308,291
Calendar year 1920:			
Through locks and open river	9,382,463.70	223,443,491.73	1,130,112
Ferries	486,861.66	145,164,075.30	3,325,728
Total	9,869,325.36	368,607,567.03	4,455,840
Calendar year 1921:			
Through locks and open river	7,307,880.09	93,274,813.61	1,373,854
Ferries	729,908.23	371,301,448.28	4,079,497
Total	8,037,788.32	464,576,261.89	5,453,351

[1] No statistics available.

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OHIO RIVER—continued.

Freight traffic, 1921.

DOMESTIC.

Articles.	Downstream commerce.							
	Lock.				Pass and open river.			
	Tons.	Ton-miles.	Average haul.	Value.	Tons.	Ton-miles.	Average haul.	Value.
			Miles.				*Miles.*	
Beverage	9.50	2,081	219.05	$646.00	98.52	5,649	57.34	$6,699.36
Brick	1.80	310	172.22	9.45	902.60	60,587	67.12	4,738.65
Coal	1,597,234	230,998,092	144.62	8,385,478.50	2,759,585	449,860,798	163.02	14,487,821.25
Coke	8,000	1,632,000	204	66,400.00	9,700	407,200	41.98	80,510.00
Cement	4,572.18	45,425	9.94	47,550.67	12,647.15	199,903	15.81	131,530.36
Cooperage	1	265	265	81.60				
Cotton seed	5	925	185	400.00	3	93	31	240.00
Dry goods	207.80	46,014	221.43	166,240.00	245.58	36,588	148.99	196,464.00
Fertilizers	1,199.50	124,910	104.14	33,586.00	954	66,938	70.17	26,712.00
Flour	3,808.70	664,020	174.34	365,635.20	971.86	45,067	46.37	93,298.56
Fluor spar	11	2,111	191.91	396.00	3,629	88,824	24.48	130,644.00
Furniture	503.30	103,207	205.06	80,528.00	15,435.50	318,685	20.65	2,469,680.00
Grain:								
Corn	22.26	2,033	91.33	979.44	17,467.30	802,728	45.96	768,561.20
Oats	9.92	845	85.18	293.63	682.90	11,918	17.45	20,213.84
Wheat	142.50	11,396	79.97	9,120.00	405.70	10,773	26.55	25,964.80
Other	123.33	6,068	49.20	5,525.18	3,222.80	55,020	17.07	144,381.44
Groceries	2,901.50	880,043	303.31	580,300.00	15,407.80	1,617,804	105	3,081,560.00
Handles	.15	9	60	7.20	16.30	2,078	127.48	782.40
Hardware	1,185.50	271,935	229.38	189,680.00	3,019.30	340,173	112.67	483,088.00
Hay, feed, and straw	103.50	3,821	36.92	2,401.20	4,209.00	168,057	39.92	97,648.80
Hides	2.50	510	204	1,380.00	21.63	2,670	123.44	11,939.76
Hoop poles					2.80	613	218.93	71.68
Iron and steel, manufactured	19,934	16,156,284	810.49	1,913,664.00	31,237.45	13,065,133	418.25	2,998,795.20
Iron ore	40	6,880	172	224.00				
Lath	3.45	417	120.87	88.32	18.60	300	16.13	476.16
Leather	.28	74	264.29	349.44	7.88	296	37.56	9,834.24
Lime	2.69	460	171.01	47.34	158.90	4,925	30.99	2,796.64
Live stock:								
Cattle	183.63	29,853	162.57	31,584.36	3,833.41	468,839	122.30	659,346.52
Hogs	18.84	2,628	139.49	5,531.42	5,015.57	368,064	73.38	1,472,571.35
Horses, mules	52	11,324	217.77	16,640.00	244.50	33,101	135.38	78,240.00
Sheep	1.54	212	137.66	209.44	62.75	16,813	267.94	8,534.00

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Logs	1,230.96	51,006	41.44	23,634.43	11,786.03	632,360	53.65	226,291.78
Lumber	527.82	40,568	76.86	10,134.14	15,573.75	113,363	7.27	299,016.00
Machinery	279.50	58,517	209.36	44,720.00	1,714	412,333	240.57	274,240.00
Merchandise, miscellaneous	4,529	1,174,498	259.33	724,640.00	10,318.75	1,629,758	157.94	1,651,000.00
Molasses	7.61	635	83.44	1,095.84	15	539	35.93	2,160.00
Oil	7,713.26	456,266	59.15	277,677.36	6,393.62	142,527	22.29	230,170.32
Oil-well supplies	9,273.60	5,166,025	557.07	1,854,720.00	2,450	97,103	39.63	490,000.00
Paints	206	52,530	255	41,200.00	335	49,120	146.63	67,000.00
Peanuts	.85	223	262.35	149.60	.55	17	30.91	96.80
Poultry	625.30	165,691	264.98	270,129.60	181.25	16,394	90.45	78,300.00
Produce, farm	46.70	12,403	265.59	5,604.00	314.05	62,201	198.06	37,686.00
Salt	729.68	140,928	193.14	9,339.90	874.40	114,179	169.30	8,632.32
Sand and gravel	79,151.10	255,454	3.23	63,320.88	1,032,391.90	17,189,690	16.65	825,913.52
Shingles	13.32	1,872	140.54	426.24	104.27	1,977	18.97	3,336.64
Spokes					125	4,828	38.62	5,000.00
Staves					5	70	14	136.00
Stone	5,285.25	392,856	74.33	11,099.03	137,341.50	2,415,901	17.59	288,417.15
Sugar	20.10	3,361	167.21	3,216.00	1,995.73	42,525	21.31	319,316.80
Tallow					8.86	410	46.28	2,126.40
Ties, railroad					580,578.18	28,767,284	49.55	3,715,700.35
Tobacco	25.20	5,039	199.96	12,700.80	1,896.60	163,699	86.31	955,886.40
Wool					5.40	903	167.22	5,184.00
Miscellaneous	29,890	6,192,806	207.19	4,782,400.00	73,446.52	13,508,078	183.92	11,751,443.20
Total	1,779,836.62	265,174,830	148.99	20,041,184.21	4,766,862.16	533,424,896	111.90	48,730,197.89

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OHIO RIVER—continued.

DOMESTIC—Continued.

Articles.	Upstream commerce.								Grand total (up and down stream).		
	Lock.				Pass and open river.						
	Tons.	Ton-miles.	Average haul.	Value.	Tons.	Ton-miles.	Average haul.	Value.	Tons.	Ton-miles.	Value.
			Miles.				*Miles.*				
Beverage	25.84	5,264	203.72	$1,757.12	117.80	24,175	205.22	$8,010.40	251.66	37,169	$17,112.88
Brick					3.00	657	219.00	15.75	907.40	61,554	4,763.85
Coal	15,402.00	1,151,702	74.78	80,860.50	43,135.00	4,346,212	100.76	226,458.75	4,415,356.00	686,356,804	23,180,619.00
Cement	622.80	35,940	57.71	6,477.12	864.60	22,368	25.87	8,991.84	18,706.73	303,636	194,549.99
Coke									17,700.00	2,039,200	146,910.00
Cooperage	43.81	5,920	135.13	3,574.90	7.50	2,413	321.73	612.00	52.31	8,598	4,268.50
Cotton	9.98	1,208	121.04	5,738.50					9.98	1,208	5,738.50
Cotton seed									8.00	1,018	640.00
Dry goods	288.20	56,310	195.38	230,560.00	134.90	29,312	217.29	107,920.00	876.48	168,224	701,184.00
Fertilizers	138.00	29,406	213.09	3,864.00	86.00	24,214	281.56	2,408.00	2,377.50	245,468	66,570.00
Flaxseed											
Flour	33.30	6,543	196.49	3,196.80	60.00	12,446	207.44	5,760.00	4,873.86	728,076	467,890.56
Fluor spar	13.00	2,630	202.31	468.00	45.00	9,180	204.00	1,620.00	3,698.00	102,745	133,128.00
Furniture	716.30	148,798	207.73	114,608.00	432.75	101,134	233.70	69,240.00	17,087.85	671,824	2,734,056.00
Grain:											
Corn	121.30	13,426	110.69	5,337.20	108.90	17,047	156.54	4,791.60	17,719.76	835,234	779,669.44
Oats	4.80	903	188.13	142.08	18.40	1,319	71.68	544.64	716.02	14,985	21,194.19
Wheat	597.95	64,845	108.45	38,268.80	55.80	3,827	68.58	3,571.20	1,201.95	90,841	76,924.80
Other	18.58	3,898	209.80	832.38	39.10	8,168	208.91	1,751.68	3,403.81	73,154	152,490.68
Groceries	2,253.00	467,628	207.56	450,600.00	2,947.00	616,519	209.20	589,400.00	23,509.30	3,581,994	4,701,860.00
Handles	381.60	38,819	101.73	18,316.80	7.10	1,510	212.68	340.80	405.15	42,416	19,447.20
Hardware	994.00	212,533	213.82	159,040.00	1,056.00	229,836	217.65	168,960.00	6,254.80	1,054,477	1,000,768.00
Hay, feed, and straw	1,386.00	137,934	99.52	32,155.20	271.00	7,321	27.01	6,287.20	5,969.50	317,133	138,492.40
Hides	1.19	132	110.94	656.88					25.32	3,312	13,976.64
Hoop poles									2.80	613	71.68
Iron and steel, manufactured	658.00	134,789	204.85	63,168.00	886.00	114,862	129.64	85,056.00	52,715.45	29,471,068	5,060,683.20
Iron ore	7.00	1,428	204.00	39.20	5.00	1,224	244.80	28.00	52.00	9,532	291.20
Lath					.20	44	220.00	5.12	22.25	761	569.60
Leather	.99	202	204.04	1,235.52	.36	77	213.89	449.28	9.51	649	11,868.48
Lime	23.46	4,689	199.87	412.90	116.13	24,215	208.52	2,043.89	301.18	34,289	5,800.77
Live stock:											
Cattle	1,769.42	232,460	131.38	304,340.24	869.89	136,517	156.94	149,621.08	6,656.38	867,669	1,144,892.20
Hogs	841.54	84,979	100.98	247,076.14	163.12	25,520	156.45	47,892.08	6,039.07	481,191	1,773,070.94
Horses, mules	66.00	14,367	217.68	21,120.00	232.50	67,028	288.29	74,400.00	595.00	125,820	190,400.00
Sheep	74.47	17,658	237.12	10,127.92	10.94	1,738	158.87	1,487.84	149.70	36,421	20,359.20

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Logs	3,155.44	1,006,474	318.96	60,584.45	1,520.00	899,060	591.49	29,184.00	17,692.43	2,588,900	339,694.66
Lumber	4,289.88	1,349,094	314.48	82,365.70	2,341.10	1,146,002	489.51	44,949.12	22,732.55	2,649,027	436,464.96
Machinery	1,478.00	99,905	67.82	235,680.00	5,165.00	1,053,464	203.96	826,400.00	8,631.50	1,624,219	1,381,040.00
Merchandise, miscellaneous	4,145.00	918,479	221.59	663,200.00	16,354.00	2,903,566	177.54	2,616,640.00	35,346.75	6,626,301	5,655,480.00
Molasses	32.42	3,353	103.42	4,668.48	5.80	1,252	215.86	835.20	60.83	5,779	8,759.52
Oil	7,725.54	1,033,042	133.72	278,119.44	6,144.06	913,312	148.65	221,186.16	27,976.48	2,545,177	1,007,153.28
Oil-well supplies	83.50	16,681	199.77	16,700.00	36.00	7,652	212.55	7,200.00	11,843.10	5,287,461	2,368,620.00
Paints	72.00	15,212	211.28	14,400.00	171.00	35,879	209.82	34,200.00	784.00	152,741	156,800.00
Peanuts	.05	10	200.00	8.80	.20	41	205.00	35.20	1.65	291	290.40
Poultry	772.15	196,016	253.86	333,568.80	273.24	72,073	263.77	118,039.68	1,851.94	450,174	800,038.08
Produce, farm	1,766.17	415,360	235.18	211,940.40	1,125.04	253,626	225.44	135,004.80	3,251.96	743,590	390,235.20
Salt	258.32	68,146	263.80	3,306.50	224.00	6,832	30.50	2,867.20	1,886.40	330,085	24,145.92
Sand and gravel	270,938.50	5,106,932	18.85	216,750.80	241,755.30	1,860,527	7.70	193,404.24	1,624,236.80	24,412,603	1,299,389.44
Shingles	.....	.....	.....	.....	7.50	1,530	204.00	240.00	125.09	5,379	4,002.88
Spokes	.30	61	203.33	12.00	2.20	448	203.64	88.00	127.50	5,337	5,100.00
Staves	.....	.....	.....	.....	.....	.....	.....	.....	5.00	70	136.00
Stone	4,737.05	91,879	19.40	9,947.80	16,016.00	163,351	10.20	33,633.60	163,379.80	3,063,987	343,097.58
Sugar	78.30	15,613	199.40	12,528.00	1,002.95	218,512	217.87	160,472.00	3,097.08	280,011	495,532.80
Tallow	.03	4	133.33	7.20	.....	.....	.....	.....	8.89	414	2,133.60
Ties, railroad	1,460.60	103,950	71.17	9,347.84	.....	.....	.....	.....	582,038.78	28,871,234	3,725,048.19
Tobacco	405.00	44,952	110.99	204,120.00	94.45	16,504	174.74	47,602.80	2,421.25	230,194	1,220,310.00
Wool	1.45	168	115.86	1,392.00	.....	.....	.....	.....	6.85	1,071	6,576.00
Miscellaneous	27,884.45	4,753,758	170.48	4,461,512.00	61,497.80	12,798,836	208.12	9,839,648.00	192,718.77	37,253,478	30,835,003.20
Total	355,771.68	18,113,500	50.91	8,624,134.41	405,409.63	28,181,380	69.51	15,879,297.10	7,307,880.09	844,894,606	93,274,813.61

Downstream commerce:

Lock—	
Passengers	90,704
Passenger-miles	3,800,153
Average haul ..... miles..	41.90
Pass and open river—	
Passengers	657,662
Passenger-miles	11,298,841
Average haul ..... miles..	17.18

Upstream commerce:

Lock—	
Passengers	84,638
Passenger-miles	3,337,033
Average haul ..... miles..	39.43
Pass and open river—	
Passengers	540,850
Passenger-miles	7,082,244
Average haul ..... miles..	13.09

Grand total:

Passengers	1,373,854
Passenger-miles	25,518,271
Ferries:	
Tons	729,908.23
Ton-miles	364,954
Value	$371,301,448.28
Passengers	4,079,497
Passenger-miles	2,039,749

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OHIO RIVER—continued.

SUMMARY.

Classes of commodities.	Domestic.		Classes of commodities.	Domestic.	
	Tons.	Value.		Tons.	Value.
Animals and animal products	15,589	$3,973,852	Machinery and vehicles	8,633	$1,381,040
Vegetable food products	42,719	3,752,430	Chemicals	3,162	223,370
Textiles	893	713,499	Unclassified	263,419	43,560,982
Wood and paper	640,293	7,268,861	Total	7,307,880	93,274,813
Nonmetallic minerals	6,274,149	26,339,057			
Ores, metals and manufactures	59,023	6,061,742			

PITTSBURGH, PA., DISTRICT.

MONONGAHELA RIVER, PA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1917	16,009,133	$64,209,918	23,078	1920	24,264,354	$199,140,361	16,044
1918	16,537,746	64,719,622	10,090	1921	16,100,824	83,432,503	10,788
1919	17,137,501	119,022,616	13,265				

[Navigation season, 355 days.]

Freight traffic, 1921.

Classes and commodities.	Amounts in short tons by commodities.		Amounts in short tons by classes.	Value.	
	Upbound.	Downbound.		By commodities.	By classes.
Animals and animal products: Horses		1	1	$400	$400
Wood and paper			19,002		511,232
Kegs, new		446		66,900	
Lumber	8,559	9,744		439,272	
Piles	125	128		5,060	
Nonmetallic minerals			15,899,897		6,562,081
Brick	52			333	
Cement	5,593	17,595		278,256	
Coal, bituminous	11,566	13,834,667		62,308,048	
Coke		186,827		1,120,962	
Gasoline	9,895	1,002		980,730	
Oil, refined		5		225	
Gravel, screened	800,304	4,308		804,612	
Gravel, rough	51,052	20		15,321	
Sand	744,572	191,400		935,972	
Sand, glass-grinding		27,299		81,897	
Stone	9,740	4,000		35,724	
Ores, metals and manufactures			126,320		8,190,550
Iron and steel billets	63,765			2,550,600	
Iron and steel nails and spikes		139		12,510	
Iron and steel pipe		1,411		126,990	
Iron and steel, structural		1,283		115,470	
Iron and steel, miscellaneous	6,869	52,853		5,374,980	
Machinery and vehicles			3,047		808,560
Boats, steel barges	375			45,000	
Boats, steel, sand dredge		800		300,000	
Boats, steel scows		260		50,000	
Boats, steel, steam		285		200,000	
Boats, wood barges	660			105,600	
Boats, wood flats	252	288		86,400	
Boats, wood, gasoline		60		9,600	
Boats, wood derrick	36			5,760	
Machinery		31		6,200	
Chemicals: Acid, sulphuric	8,662		8,662	346,480	346,480
Unclassified	19,380	24,515	43,895		7,023,260
Total			16,100,824		83,432,503

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MONONGAHELA RIVER, PA.—continued.

Lockages made and traffic passed at Monongahela River locks during the calendar year ending December 31, 1921.

At Dam—	Lockages.		Steamboats.		Coal boats, barges, flats, and boat bottoms.		Other craft.	
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.
	Number.	*Number.*	*Number.*	*Number.*	*Number.*	*Number.*	*Number.*	*Number.*
1	3,219	3,253	2,836	2,840	7,714	7,780	314	313
2	2,960	3,016	2,198	2,202	7,814	7,772	251	254
3	4,997	5,127	2,889	2,905	15,301	15,259	229	254
4	5,124	5,195	3,192	3,194	14,434	14,486	224	224
5	4,446	4,506	2,640	2,656	11,675	11,630	242	254
6	3,228	3,312	2,321	2,303	7,281	7,139	631	628
7	1,012	1,039	283	284	1,044	1,044	138	152
8	407	406	160	154	390	357	158	166
9	380	381	248	236	583	600	119	125
10	180	186	28	29	68	72	79	87
11	89	96	70	77	58	65	62	72
12	118	126	56	55	60	60	107	111
13	184	189	45	37	55	51	115	110
14	246	261	27	32	66	62	175	181
15	81	78	20	18	27	18	83	77
Aggregate	26,671	27,171	17,013	17,023	66,570	66,395	2,927	3,008

At Dam—	Coal.		Coke.		Gasoline.		Steel products.	
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.
	Tons.	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*
1	11,230	2,009,210	.....	300	9,895	30	70,634	7,918
2	6,610	4,319,656	.....	520	10,100	31	20,637	32,229
3	2,220	13,499,256	.....	.....	6,410	1,002	12,832	27,532
4	.....	11,453,720	.....	197,360	3,743	730	1,773	4,132
5	444	10,585,250	.....	263,926	.....	.....	664	244
6	10,088	662,845	.....	.....	.....	.....	746	816
7	.....	281,910	.....	.....	.....	.....	219	192
8	100	20,626	.....	.....	.....	.....	1	24
9	214	196	.....	.....	.....	.....	10	45
10	377	266	.....	.....	.....	.....	8	4
11	476	165	.....	.....	.....	.....	32	10
12	412	164	.....	.....	.....	.....	.....	.....
13	446	160	.....	.....	.....	.....	.....	.....
14	201	59	.....	.....	.....	.....	.....	.....
15	.....	.....	.....	.....	.....	.....	7	.....
Aggregate	32,818	48,797,483	.....	462,106	30,148	1,793	107,563	73,146

At Dam—	Sand.		Gravel.		Stone.		Brick.		Cement.	
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.
	Tons.	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*
1	710,522	24,562	766,254	11,750	.....	1,130	52	.....	25	17,100
2	456,400	196,216	491,344	7,866	.....	900	.....	.....	2,549	9
3	50,527	83,050	85,428	4,158	500	700	.....	.....	3,383	255
4	32,565	930	67,914	30	850	1,950	.....	8	3,557	2
5	33,242	225	69,125	612	1,100	1,810	.....	.....	3,686	5
6	39,320	5,455	94,282	6,090	9,290	3,940	798	.....	5,593	1,656
7	11,175	3,500	24,068	2,640	.....	2,320	.....	1	26	.....
8	18,603	2,642	33,300	2,811	.....	3,000	.....	111	.....	5
9	45,957	173	45,826	50	450	4,500	.....	.....	.....	.....
10	175	.....	175	.....	.....	4,000	.....	.....	.....	.....
11	140	.....	140	.....	.....	3,600	.....	.....	.....	.....
12	144	.....	142	.....	.....	4,000	.....	.....	.....	.....
13	150	.....	160	.....	.....	4,000	.....	.....	3	.....
14	140	.....	140	.....	.....	.....	.....	.....	.....	.....
15	140	.....	140	.....	.....	.....	.....	.....	.....	.....
Aggregate	399,200	316,753	1,678,438	36,007	12,190	35,850	850	120	18,822	19,032

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MONONGAHELA RIVER, PA.—continued.

At Dam—	Lumber.		Pile.		Pit posts.		Acid.		Railroad ties.		Machinery.	
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up	Down.	Up.	down.
	Tons.	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*
1	1,390	8,821	125			12						
2	1,541	803	100				5,280					
3	979	2,047	200	100			3,900				100	31
4	1,331	3,085	117									
5	2,136	1,596	118	15								
6	9,729	7,096	100	4	460				140			
7	6,964	3,808		2					250			
8	356			2		10						
9	246	1,683								1		
10	105	494										
11	195	864										
12	89	533									10	
13	47	535									56	50
14	16	489									10	
15	4	5		6								
Aggregate	25,128	32,927	760	129	460	22	9,180		390	1	176	81

At Dam—	General merchandise.		Unclassified.		Live stock, large.		Total.		Passengers.	
	Up.	Down.	Up	Down.	Up	Down.	Up.	Down.	Up.	Down.
	Tons.	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Number*	*Number*
1	2,712	1,169					1,572,839	2,082,002	5,452	5,336
2	2,626	215					997,187	4,558,445	5,278	5,255
3	620	238	15	91		1	167,114	13,618,461	4,944	4,916
4	251	520	45	25			112,146	11,662,492	896	764
5	648	36					111,163	10,853,719	477	467
6	728	19	4,994	116			176,268	6,652,037	638	608
7	194	6					42,896	294,379	335	328
8	8		2	4			52,370	30,303	332	315
9	1	10	10	4			92,714	6,662	282	296
10	40	38					880	4,802	34	62
11	52	39					1,035	4,678	65	109
12	48	25	33			1	878	4,723	82	116
13	39	26					901	4,771	198	233
14	52	41			1	3	560	592	245	254
15	10	13			3	7	304	31	72	100
Aggregate	8,029	2,395	5,099	240	4	12	3,329,255	49,778,097	19,330	19,159

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ALLEGHENY RIVER, IMPROVED PORTION.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1917	2,300,143	$12,074,890	1,815	1920	4,948,276	$27,470,774	1,374
1918	2,287,916	10,444,141	686	1921	3,737,441	10,072,577	840
1919	2,058,069	13,806,119	939				

[Navigation season, 320 days.]

Freight traffic, 1921.

Classes and commodities.	Amounts in short tons.			Value.	
	By commodities.		By classes.	By commodities.	By classes.
	Upbound.	Down bound.			
Wood and paper			2,866		$123,248
Kegs	446			$66,900	
Lumber	830	1,157		47,688	
Pile	327	106		8,660	
Nonmetallic minerals			3,668,515		7,057,779
Cement		10		120	
Coal, bituminous	359,106	135,811		2,227,126	
Gasoline	12,197	9,188		1,924,650	
Gravel, screened	72,597	1,347,435		1,420,032	
Gravel, rough	36,430	341,170		113,280	
Sand	69,277	1,274,044		1,343,321	
Slag, riprap	3,000			7,800	
Stone	6,400	1,850		21,450	
Ores, metals and manufactures of			64,140		2,584,350
Iron and steel billets		63,765		2,550,600	
Miscellaneous	200	175		33,750	
Machinery and vehicles			360		57,600
Vessels, barges, wood		300		48,000	
Vessels, boats, gasoline, wood		60		9,600	
Unclassified	496	1,064	1,560		249,600
Total			3,737,441		10,072,577

ALLEGHENY RIVER, PA., OPEN CHANNEL PORTION.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1917	174,093	$212,036	1920	135,924	$572,434
1918	148,132	350,402	1921	123,065	254,055
1919	53,377	259,067			

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ALLEGHENY RIVER, PA., OPEN CHANNEL PORTION—continued.

[Navigation season, 310 days.]

Freight traffic, 1921.

Classes and commodities.	Amount in short tons.			Value.	
	By commodities.		By classes.	By commodities.	By classes.
	Upbound.	Down bound.			
Nonmetallic minerals			122,705		$196,455
Gravel	39,405	27,335		$66,740	
Sand	19,090			19,090	
Sand, glass-grinding	36,875			110,625	
Machinery and vehicles			360		57,600
Vessels, barges, wood		300		48,000	
Vessels, boats, gasoline, wood		60		9,600	
Total			123,065		254,055

Lockages made and traffic passed at Allegheny River locks during calendar year ending December 31, 1921.

Item.	Lock 1.	Lock 2.	Lock 3.	Aggregate.
Lockages ... number	3,493	4,386	1,433	9,312
Steamboats ... do	3,814	3,099	885	7,798
Coal boats, barges, flats, and boat bottoms ... do	9,058	13,276	3,842	26,176
Other craft ... do	506	567	624	1,697
Aggregate	16,871	21,328	6,784	44,983
Boats, new ... tons			160	160
Brick ... do		66	6	72
Cement ... do			153	153
Coal ... do	234,250	140,470	5,671	380,391
Gasoline ... do	21,385			21,385
Gravel ... do	896,062	1,157,804	145,221	2,199,087
Lumber ... do	1,987	1,385	1,230	4,602
Machinery ... do			293	293
Merchandise ... do	1,350	1,948	72	3,370
Pile ... do	433	955		1,388
Sand ... do	739,470	1,185,234	168,705	2,093,409
Slag ... do	1,500			1,500
Steel products ... do	325	335	12	672
Stone ... do	3,840	6,750	600	11,190
Unclassified ... do		210	50	260
Aggregate	1,900,814	2,494,927	322,123	4,717,932
Passengers	894	336	627	1,857

PITTSBURGH HARBOR.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1917	14,639,496	$60,835,954	728,867	1920	23,195,643	$204,475,674	880,593
1918	15,244,583	70,609,271	513,677	1921	17,353,782	82,510,499	499,539
1919	16,803,276	110,001,426	773,860				

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PITTSBURGH HARBOR—continued.

Freight traffic, 1921.

[Navigation season, 365 days.]

Classes and commodities.	Amounts in short tons.			Value.	
	By commodities.		By classes.	By commodities.	By classes.
	Upbound.	Down bound.			
Animals and animal products: Horses		58	58	$23,200.00	$23,200.00
Wood and paper			5,971		195,148.00
Kegs, new		446		66,900.00	
Lumber	1,600	2,837		106,488.00	
Piles	515	573		21,760.00	
Nonmetallic minerals			17,175,414		67,180,545.80
Brick		281		1,798.40	
Cement		17,705		212,460.00	
Clay products		25		450.00	
Coal	1,586	13,635,815		61,368,304.50	
Gasoline	11,857	10,897		2,047,860.00	
Gravel, screened	490,570	1,158,634		1,649,204.00	
Gravel, rough		36,713		11,013.90	
Oil, refined	60	1,305		61,425.00	
Sand	535,342	1,263,334		1,798,676.00	
Slag, riprap	3,500			9,100.00	
Stone	5,240	2,550		20,254.00	
Ores, metals and manufactures of			123,088		7,889,670.00
Iron and steel billets	63,765			2,550,600.00	
Iron and steel fencing		140		12,600.00	
Iron and steel nails and spikes		1,239		111,510.00	
Iron and steel bolts		1,000		90,000.00	
Iron and steel pipe		160		14,400.00	
Iron and steel rails		65		5,850.00	
Iron and steel, structural		1,848		166,320.00	
Iron and steel wire		100		9,000.00	
Iron and steel, miscellaneous	6,390	48,381		4,929,390.00	
Machinery and vehicles			4,692		1,135,160.00
Boats, steel barges	375			45,000.00	
Boats, steel, steamboat		285		200,000.00	
Boats, steel, sand dredge		800		300,000.00	
Boats, steel, scows		260		50,000.00	
Boats, wood barges	720			115,200.00	
Boats, wood derrick	36			5,760.00	
Boats, wood flats	252	288		86,400.00	
Boats, wood, gasoline		60		9,600.00	
Machinery	595	1,021		323,200.00	
Chemicals			8,687		347,255.00
Acid, sulphuric	8,662	10		346,880.00	
Tar		15		375.00	
Unclassified	16,668	19,204	35,872		5,739,520.00
Total			17,353,782		82,510,498.80

YOUGHIOGHENY RIVER.

Freight traffic, 1921.

[Navigation season, 330 days.]

Classes and commodities.	Amount in short tons.			Value.	
	By commodities.		By classes.	By commodities.	By classes.
	Upbound.	Down bound			
Nonmetallic minerals			187,191		$578,897
Coal, bituminous	111,916			$503,622	
Gravel	31,687			31,687	
Sand	43,588			43,588	
Total			187,191		578,897

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YOUGHIOGHENY RIVER—continued.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1917	83,585	$162,669	1920	271,070	$1,505,710
1918	582,976	620,889	1921	187,191	578,997
1919	227,775	1,314,949			

[Navigation season, 365 days.]

Freight traffic, 1921.

Classes and commodities.	Amounts in short tons.			Value.	
	By commodities.		By classes.	By commodities.	By classes.
	Up-bound.	Down-bound.			
Animals and animal products: Horses	23	58	81	$32,400.00	$32,400.00
Wood and paper			20,767		550,252.00
Kegs, new		446		66,900.00	
Lumber	8,769	10,464		461,592.00	
Piles	515	573		21,760.00	
Nonmetallic minerals			19,862,261		71,747,853.20
Brick	350	281		4,038.40	
Cement	5,568	18,190		285,096.00	
Clay products	196	545		13,338.00	
Coal, bituminous	1,250	13,973,545		62,886,577.50	
Coke		186,827		1,120,962.00	
Gasoline	11,884	10,897		2,050,290.00	
Gravel, screened	842,665	1,538,804		2,381,469.00	
Gravel, rough	83,317	668,324		225,492.30	
Oil, refined	60	2,020		93,600.00	
Sand	860,096	1,567,578		2,427,674.00	
Sand, glass-grinding	36,875	27,299		192,522.00	
Slag, riprap	3,500			9,100.00	
Stone	16,340	5,850		57,694.00	
Ores, metals, and manufactures of			137,587		9,194,580.00
Iron and steel billets	63,765			2,550,600.00	
Iron and steel bolts		1,000		90,000.00	
Iron and steel fencing		307		27,630.00	
Iron and steel nails and spikes		3,718		334,620.00	
Iron and steel pipe		4,280		385,200.00	
Iron and steel rails		65		5,850.00	
Iron and steel, structural		3,270		294,300.00	
Iron and steel wire		4,676		420,840.00	
Iron and steel, miscellaneous	6,390	50,116		5,065,540.00	
Machinery and vehicles			24,214		3,716,405.00
Boats, steel barges	375	13,022		1,347,200.00	
Boats, steel derrick	430			156,445.00	
Boats, steel, dredge, sand		1,300		650,000.00	
Boats, steel scows		3,110		175,000.00	
Boats, steel, steam		445		350,000.00	
Boats, wood barges	720	360		172,800.00	
Boats, wood derrick	36			5,760.00	
Boats, wood flats	252	288		86,400.00	
Boats, wood, gasoline		60		9,600.00	
Machinery	595	3,221		763,200.00	
Chemicals			8,687		347,255.00
Acid, sulphuric	8,662	10		346,880.00	
Tar		15		375.00	
Unclassified	17,173	19,454	36,627		5,860,320.00
Total			20,090,224		91,449,065.20

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WHEELING, W. VA., DISTRICT.

LITTLE KANAWHA RIVER, W. VA.

Comparative statement of traffic.

Commercial statistics.—The commerce for the calendar years 1917, 1918, 1919, 1920, and 1921, consisting principally of timber products, was as follows:

Year.	Tons.	Value.	Passengers.	Floated timber.	
				Tons.	Value.
1917	12,639	$1,348,803	3,910	28,210	$222,870
1918	19,072	2,021,893	8,458	13,096	119,882
1919	22,286	3,647,387	8,822	15,970	377,536
1920	14,391	1,898,757	17,145	13,045	104,036
1921	32,316	3,886,900	14,542	7,963	78,682

The tonnage and value of floated timber is not included in the amounts shown in columns 2 and 3.

The minimum depth of the navigable channel at low water in the improved section of the river is 4 feet.

[Navigation season, Jan. 1 to Dec. 31.]

Freight traffic, 1921.

DOMESTIC.

[Exterior: Traffic originating or delivered at points beyond the Little Kanawha River.]

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPSTREAM.						*Miles.*	
Animals and animal products			95		$2,565		
Hogs		2		$240		35	$0.178
Fertilizer		93		2,325		35	.11
Vegetable food products			7,369		616,850		
Flour		1,244		161,720		35	.11
Groceries		1,674		334,800		35	.11
Corn		890		26,700		35	.11
Wheat		836		25,080		35	.11
Oats		1,625		48,750		35	.11
Hay		1,100		19,800		40	.20
Textiles: Dry goods		395	395	395,000	395,000	40	.10
Wood and paper			2,114		179,600		
Furniture		314		125,600		40	.15
Lumber		1,800		54,000		35	.057
Nonmetallic minerals			2,667		99,991		
Oil		700		45,500		25	.16
Gasoline		506		40,480		40	.10
Brick		18		144		35	.11
Cement		732		9,150		40	.10
Sand and gravel	346			346		20	.05
Salt		269		4,035		35	.11
Coal	96			336		35	.11
Ores, metals, and manufactures of			3,193		638,600		
Hardware		1,200		240,000		35	.11
Oil-well supplies		1,993		398,600		40	.05
All other		332	332	66,400	66,400	35	.11
Total	442	15,723	16,165		1,999,006		
DOWNSTREAM.							
Animals and animal products			161		32,040		
Cattle		97		11,640		35	.11
Hogs		12		2,100		35	.20
Horses and mules		9		1,350		35	.20

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LITTLE KANAWHA RIVER, W. VA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
DOWNSTREAM—continued.							
Animals and animal products—Continued.						*Miles.*	
Poultry		42		$16,800		35	$0.14
Sheep		1		150		35	.20
Wood and paper			2,033		$69,239		
Furniture		81		32,400		40	.16
Mine props		60		300		35	.057
Shooks		105		2,625		35	.071
Lumber		556		16,680		35	.057
Railroad ties, rafted	1,231			17,234		35	.045
Ores, metals, and manufactures of: Oil-well supplies		400	400	80,000	80,000	40	.05
All other		590	590	118,000	118,000	35	.11
Total	1,231	1,953	3,184	299,279	299,279		
Total upstream and downstream	1,673	17,676	19,349		2,298,285		

[Interior: Traffic within Little Kanawha River.]

UPSTREAM.							
Animals and animal products			24		$3,530		
Cattle		19		$2,280		35	0.11
Horses and mules		5		1,250		35	.20
Vegetable food products			2,789		457,694		
Flour		148		19,240		35	.11
Groceries		1,800		360,000		35	.11
Farm products		273		68,250		35	.11
Hay		568		10,204		35	.20
Wood and paper: Railroad ties, rafted	172		172	2,408	2,408	35	.071
Nonmetallic minerals: Oil		119	119	7,735	7,735	25	.16
Ores, metals, and manufacturers of: Oil-well supplies		5,000	5,000	100,000	100,000	40	.05
All other		1,575	1,575	315,000	315,000	35	.11
Total	172	9,507	9,679		886,367		
DOWNSTREAM.							
Animals and animal products			76		$29,800		
Horses and mules		4		$1,000		35	.11
Poultry		72		28,800		35	.14
Vegetable food products			2,196		342,450		
Grain		1,000		30,000		35	.11
Hay		14		2,450		40	.20
Corn		400		12,000		35	.11
Wheat		40		1,200		35	.11
Farm products		742		296,800		35	.11
Wood and paper			7,141		85,720	35	.071
Furniture		25		10,000		35	.143
Lumber		556		16,680		35	.057
Saw logs, rafted	6,560			59,040		35	.071
Nonmetallic minerals: Gasoline		372	372	29,760	29,760	40	.10
Ores, metals, and manufactures of			696		139,200		
Hardware		325		65,000		35	.11
Oil-well supplies		371		74,200		40	.05
All other		770	770	154,000	154,000	35	.11
Total	6,560	4,691	11,251	780,930	780,930		
Total upstream and downstream	6,732	14,198	20,930		1,667,297		

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LITTLE KANAWHA RIVER, W. VA.—continued.

SUMMARY.

Classes and commodities.	Exterior.				Interior.				Total.	
	Upstream.		Downstream.		Upstream.		Downstream.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	95	$2,565	161	$32,040	24	$3,530	76	$29,800	356	$67,935
Vegetable food products	7,369	616,850			2,789	457,694	2,196	342,450	12,354	1,416,994
Textiles	395	395,000							395	395,000
Wood and paper	2,114	179,600	2,033	69,239	172	2,408	7,141	85,720	11,460	336,967
Nonmetallic minerals	2,667	99,991			119	7,735	372	29,760	3,158	137,486
Ores, metals, and manufactures	3,193	638,600	400	80,000	5,000	100,000	696	139,200	9,289	957,800
All other	332	66,400	590	118,000	1,575	315,000	770	154,000	3,267	653,400
Total	16,165	1,999,006	[1] 3,184	[1] 299,279	9,679	886,367	[2] 11,251	[2] 780,930	40,279	3,965,582

[1] Includes floated timber as follows: 1,403 tons railroad ties, valued at $19,642.
[2] Includes floated timber as follows: 6,560 tons saw logs, valued at $59,040.

KANAWHA RIVER, W. VA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated timber.	
				Tons.	Value.
1917	1,605,315	$11,057,084	9,113	180	$1,419
1918	1,276,192	10,639,859	8,115	679	5,329
1919	892,253	12,138,677	2,267	312	7,488
1920	1,451,084	9,304,983	1,105	273	2,138
1921	1,118,691	8,778,335	2,768	220	1,980

The tonnage and value of floated timber is not included in the amounts shown in columns 2 and 3.

The minimum depth of the navigable channel at low water in the improved section of the river is 6 feet.

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KANAWHA RIVER, W. VA.—continued.

[Navigation season, Jan. 1 to Dec. 31.]

Freight traffic, 1921.

DOMESTIC.

(Exterior: Traffic originating or delivered at points beyond the Kanawha River.)

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPSTREAM.						*Miles.*	
Animals and animal products			258		$41,055		
Cattle		134		$16,080		50	$0.10
Horses and mules		45		11,250		50	.16
Hogs		35		6,125		45	.111
Poultry		4		1,600		50	.24
Sheep		40		6,000		50	.116
Vegetable food products			1,298		292,052		
Groceries		1,037		259,250		50	.08
Grain		80		2,400		45	.044
Hay		64		1,152		45	.089
Farm products		117		29,250		50	.10
Textiles: Dry goods		182	182	273,000	273,000	50	.16
Wood and paper			470		151,000		
Furniture		370		148,000		40	.51
Lumber		100		3,000		30	.07
Nonmetallic minerals			156,082		157,552		
Brick	6			48		30	.07
Sand and gravel	155,974			155,974		50	.023
Salt		102		1,530		40	.054
Ores, metals, and manufactures of			800		162,000		
Hardware		700		140,000		50	.10
Oil-well supplies		110		22,000		55	.091
Chemicals: Paint		156	156	54,600	54,600	40	.125
All other		6,441	6,441	1,288,200	1,288,200	45	.156
Total	155,980	9,717	165,687		2,419,459		
DOWNSTREAM.							
Animals and animal products			178		28,735		
Cattle		68		8,160		30	.167
Horses and mules		16		4,000		30	.267
Hogs		69		12,075		30	.167
Poultry		3		1,200		25	.48
Sheep		22		3,300		25	.233
Vegetable food products			878		165,230		
Groceries		519		103,800		55	.073
Grain		76		2,280		30	.067
Hay		50		900		30	.133
Farm products		233		58,250		25	.20
Textiles: Dry goods		60	60	60,000	60,000	55	.145
Wood and paper			143		49,497		
Furniture		123		49,200		55	.364
Railroad ties	3			42		25	
Hoop poles	17			255		25	
Nonmetallic minerals			939,304		3,292,210		
Salt		404		6,060		60	.036
Coal	938,900			3,286,150		65	
Ores, metals, and manufactures of			360		72,000		
Hardware		300		60,000		30	.167
Oil-well supplies		60		12,000		55	.091
All other		3,200	3,200	640,000	640,000	50	.14
Total downstream	938,920	5,203	944,123		4,307,672		
Total upstream and downstream	1,094,920	14,920	1,109,810		6,727,131		

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KANAWHA RIVER, W. VA.—continued.

DOMESTIC—Continued.

(Interior: Traffic within Kanawha River.)

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPSTREAM.						*Miles.*	
Animals and animal products			357		$53,570		
Cattle		201		$24,120		40	$0.125
Horses and mules		22		5,500		40	.20
Hogs		104		13,200		40	.125
Poultry		5		2,000		45	.267
Sheep		25		3,750		35	.167
Vegetable food products			744		113,710		
Groceries		195		39,000		30	.133
Grain		105		3,150		40	.05
Hay		170		3,060		40	.10
Farm products		274		68,500		35	.143
Textiles: Dry goods		161	161	161,000	161,000	30	.267
Wood and paper, furniture		60	60	24,000	24,000	30	.667
Nonmetallic minerals, salt		274	274	4,110	4,110	40	.054
Ores, metals, and manufactures of: Hardware		110	110	22,000	22,000	30	.167
Chemicals, paint		34	34	11,900	11,900	25	.20
All other		1,632	1,632	326,400	326,400	25	.28
Total		3,372	3,372		716,690		
DOWNSTREAM.							
Animals and animal products			144		20,220		
Cattle		101		12,120		30	.167
Horses and mules		8		2,000		40	.20
Hogs		24		4,200		30	.167
Poultry		1		400		25	.48
Sheep		10		1,500		25	.233
Vegetable food products			785		142,204		
Groceries		583		116,600		30	.133
Grain		52		1,560		30	.067
Hay		58		1,044		30	.133
Farm products		92		23,000		30	.167
Textiles, dry goods		322	322	322,000	322,000	40	.20
Wood and paper			499		79,170		
Furniture		186		74,400		40	.50
Saw logs, floated	220			1,980		65	
Lumber		93		2,790		30	.067
Nonmetallic minerals: Salt		240	240	3,600	3,600	40	.054
Ores, metals, and manufactures of			429		90,800		
Hardware		404		80,800		50	.10
Oil-well supplies		25		10,000		30	.167
Chemicals: Paint		110	110	38,500	38,500	30	.167
All other		3,200	3,200	640,000	640,000	30	.233
Total	220	5,509	5,729		1,336,494		
Total upstream and downstream	220	8,881	9,101		2,053,184		

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KANAWHA RIVER, W. VA.—continued.

SUMMARY.

Classes of commodities.	Exterior.				Interior.				Total.	
	Upstream.		Downstream.		Upstream.		Downstream.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	258	$41,055	178	$28,735	357	$53,570	144	$20,220	937	$143,580
Vegetable food products	1,298	292,052	878	165,230	744	113,710	785	142,204	3,705	713,196
Textiles	182	273,000	60	60,000	161	161,000	322	322,000	725	816,000
Wood and paper	470	151,000	143	49,497	60	24,000	499	79,170	1,172	303,667
Nonmetallic minerals	156,082	157,552	939,304	3,292,210	274	4,110	240	3,600	1,095,900	3,457,472
Ores, metals, and manufactures	800	162,000	360	72,000	110	22,000	429	90,800	1,699	346,800
Chemicals	156	54,600	.....	.....	34	11,900	110	38,500	300	105,000
All other	6,441	1,288,200	3,200	640,000	1,632	326,400	3,200	640,000	14,473	2,894,600
Total	165,687	2,419,459	944,123	4,307,672	3,372	716,690	[1] 5,729	[1] 1,336,494	1,118,911	8,780,315

[1] Includes floated timber as follows: 220 tons saw logs, valued at $1,980.

SECOND CINCINNATI, OHIO, DISTRICT.

MUSKINGUM RIVER, OHIO.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1892	51,457	(1)	55,536	1907	78,600	$2,470,000	78,600
1893	80,186	(1)	49,160	1908	45,000	1,900,000	60,000
1894	28,974	(1)	49,892	1909	159,246	3,400,000	44,000
1895	86,795	$2,360,150	38,267	1910	58,906	2,745,000	35,153
1896	59,597	2,302,519	42,470	1911	63,250	2,644,150	37,288
1897	65,473	3,224,933	72,512	1912	66,214	3,219,764	45,214
1898	83,077	3,410,298	68,056	1913	61,755	1,294,080	45,213
1899	70,206	4,000,000	100,756	1914	61,733	1,081,747	26,582
1900	78,595	4,200,000	116,599	1915	114,632	1,053,615	30,739
1901	81,608	4,500,000	77,580	1916	127,277	1,217,412	19,993
1902	84,632	4,650,000	86,651	1917	92,426	858,278	7,360
1903	55,260	3,100,000	73,000	1918	89,182	1,356,898	16,903
1904	60,146	3,250,000	74,000	1919	78,201	1,183,258	5,180
1905	80,000	3,900,000	83,686	1920	79,838	1,011,822	2,734
1906	80,000	3,900,000	64,863	1921	104,774	2,547,915	4,826

[1] No statistics available.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.						Miles.	
Animals and animal products	.....	.....	455	.....	$69,440	.....	.....
Eggs	.....	1	.....	$500	.....	50	$0.20
Hides	128	.....	.....	14,080	.....	40	.12
Cattle	154	.....	.....	18,480	.....	45	.14
Hogs	113	.....	.....	19,775	.....	45	.14
Horses and mules	55	.....	.....	15,125	.....	75	.15
Sheep	1	.....	.....	130	.....	45	.14
Poultry	.....	3	.....	1,350	.....	50	.20
Vegetable food products	.....	.....	470	.....	42,795	.....	.....
Apples	.....	63	.....	4,725	.....	75	.06
Candy	.....	4	.....	2,000	.....	50	.12
Flour	.....	16	.....	1,520	.....	60	.115
Grain	.....	78	.....	3,845	.....	35	.10
Hay and straw	.....	174	.....	3,480	.....	55	.11

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MUSKINGUM RIVER, OHIO—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND—continued.							
Vegetable food products—Con.						*Miles.*	
Potatoes		7		$385		20	$0.06
Produce		11		1,100		70	.05
Vegetables, canned		117		25,740		80	.07
Other vegetable products: Tobacco		3	3	900	$900	48	.15
Wood and paper			395		11,865		
Lumber	392			11,760		35	.09
Timber	3			105		20	.07
Nonmetallic minerals			88,518		83,109		
Brick	23			150		30	.14
Cement		11		143		30	.10
Coal	445			2,102		40	.08
Lime		2		36		35	.10
Oil, crude		70		840		60	.105
Salt		39		702		35	.15
Sand and gravel	87,928			79,136		5	.03
Ores, metals and manufactures of: Iron, manufactured		240	240	25,200	25,200	75	.10
Machinery and vehicles			143		39,940		
Automobiles	18			14,940		45	.08
Machinery		125		25,000		58	.105
Unclassified			4,035		807,000		
Household goods		64		12,800		60	.14
Miscellaneous merchandise		3,971		794,200		45	.12
Total	89,260	4,999	94,259		1,080,249		
DOWNBOUND.							
Animals and animal products			1,514		437,590		
Eggs		476		238,000		50	.20
Hides	2			220		40	.12
Cattle	481			57,720		45	.14
Hogs	226			39,600		45	.14
Horses and mules	186			51,150		75	.15
Sheep	40			5,200		40	.14
Poultry		101		45,450		50	.20
Tallow		2		250			
Vegetable food products			573		49,462		
Apples		7		525		75	.06
Beans		4		480		40	.08
Flour		218		20,710		35	.115
Grain		33		1,627		35	.10
Hay and straw		204		4,080		55	.11
Produce		7		700		75	.05
Sugar		7		880		50	.11
Vegetables, canned		93		20,460		40	.07
Other vegetable products: Tobacco		2	2	600	600	40	.15
Wood and paper			816		27,070		
Lumber	298			8,940		35	.09
Timber	[1] 518			18,130		20	.07
Nonmetallic minerals			2,802		8,309		
Brick	43			280		27	.14
Cement		16		208		27	.10
Coal	1,285			5,783		25	.08
Oil, crude		27		324		40	.105
Salt		6		108		35	.15
Sand and gravel	[1] 720			648		14	.03
Stone, crushed	[1] 705			958		14	.03
Ores, metals and manufactures of: Iron, manufactured		225	225		23,625		
Machinery and vehicles			100		24,410		
Automobiles	7			5,810		40	.08
Machinery		93		18,600		58	.105
Unclassified			4,483		896,600		
Household goods		35		7,000		50	.14
Miscellaneous merchandise		4,448		889,600		60	.12
Total downbound	4,504	6,011	10,515		1,467,666		
Total up and down bound	93,764	11,010	104,774		2,547,915		

[1] Government material.

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MUSKINGUM RIVER, OHIO—continued.

SUMMARY.

Classes of commodities.	Internal.	
	Tons.	Value.
Animals and animal products	1,969	$507,030
Vegetable food products	1,043	92,257
Other vegetable products	5	1,500
Wood and paper	1,211	38,935
Non-metallic minerals	91,320	91,418
Ores, metals and manufactures of	465	48,325
Machinery and vehicles	243	64,350
Unclassified	8,518	1,703,600
Total	104,774	2,547,915

Vessel classification, 1921.

Class.	Number.	Passengers.
Steamers:		
Packets	3	3,572
Towboats	3	.....
Gasoline and oil:		
Towboats	9	.....
Launches	72	926
Barges and flats	18	.....
Miscellaneous craft	84	328
Total	219	4,826

BIG SANDY RIVER, W. VA. AND KY.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1883	173,684	$2,418,590	(2)	1902	350,935	$4,914,176	412
1884	179,792	3,557,980	(2)	1903	290,401	3,770,060	1,096
1885	220,189	2,989,000	(2)	1904	152,077	2,432,150	234
1886	268,000	3,132,993	(2)	1905	148,623	2,377,968	93
1887	271,000	3,161,365	(2)	1906	205,901	2,676,130	449
1888	291,332	2,156,203	(2)	1907	194,634	2,724,876	619
1889	226,481	2,490,047	937	1908	116,448	1,513,824	822
1890	318,582	[1] 3,000,000	1,874	1909	147,725	2,539,444	10,118
1891	277,303	[1] 2,900,000	900	1910	185,534	3,285,637	3,404
1892	455,926	[1] 3,600,000	(2)	1911	181,770	1,436,375	1,934
1893	466,722	[1] 3,700,000	(2)	1912	188,743	1,799,634	1,310
1894	297,900	[1] 2,900,000	(2)	1913	172,403	1,669,205	332
1895	545,910	[1] 4,800,000	(2)	1914	175,758	1,692,265	4,373
1896	471,382	[1] 3,650,000	(2)	1915	152,139	1,520,601	11,190
1897	414,500	[1] 3,500,000	(2)	1916	89,374	882,471	892
1898	417,400	[1] 3,450,000	(2)	1917	88,344	1,404,926	522
1899	345,778	[1] 3,020,000	(2)	1918	77,231	1,212,895	(2)
1900	300,000	2,900,130	(2)	1919	111,012	2,580,723	3
1901	349,862	4,060,273	4,752	1920	66,159	1,612,170	(2)
				1921	42,173	676,846	.....

[1] Estimated. [2] No record.

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BIG SANDY RIVER, W. VA. AND KY.—continued.

[Navigation season: Jan. 1, 1921, to Dec. 31, 1921.]

Freight traffic, 1921.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.							
Animals and animal products:						*Miles.*	
Cattle	2		2	$237.50	$237.50	10	
Vegetable food products			47		6,770.35	24	
Corn		12		302.15		9	$0.55
Feed		2		66.95		9	.55
Flour		2		191.00		36	.14
Hay		3		52.25			
Groceries		28		6,158.00			
Wood and paper: Lumber	94		94	3,527.71	3,527.71		
Nonmetallic minerals			488		1,316.93		
Gasoline		10		616.43		6	83
Coal	24			48.00			
Sand and gravel	450			598.50			
Cement		4		54.00			
Machinery and vehicles: Machinery	7		7	1,400.00	1,400.00	40	.10
Unclassified: Miscellaneous merchandise	25		25	1,609.00	1,609.00	35	.04
Total upbound	602	61	663		14,861.49		
DOWNBOUND.							
Animals and animal products			6		2,295.00		
Live stock	3			358.00		27	
Eggs		1		503.00		36	
Poultry		2		1,434.00		36	
Vegetable food products			7		825.00		
Grain	6			225.00		10	
Tobacco		1		600.00		38	
Wood and paper			41,062		631,351.00		
Crossties	1,038			8,300.00		50	
Lumber	19			657.00		10	
Telegraph poles	2,645			74,074.00		40	
Timber, floated	37,360			548,320.00		80	
Nonmetallic minerals: Gasoline	368		368	17,146.00	17,146.00	4	
Ores, metals, and manufactures of: Iron, scrap	16		16	168.00	168.00	50	
Unclassified: Miscellaneous merchandise	51		51	10,200.00	10,200.00	10	
Total downbound	41,506	4	41,510		661,985.00		
Total upbound and downbound	42,108	65	42,173		676,846.49		

SUMMARY.

Classes of commodities.	Internal.	
	Tons.	Value.
Animals and animal products	8	$2,532
Vegetable food products	54	7,595
Wood and paper	41,156	634,879
Nonmetallic minerals	856	18,463
Ores, metals, and manufactures	16	168
Machinery and vehicles	7	1,400
Unclassified	76	11,809
Total	42,173	676,846

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BIG SANDY RIVER, W. VA. AND KY.—continued.

Vessel classification, 1921.

Class.	Number.	Passengers.
Steamers:		
Packets	1	100
Towboats	1	.....
Gasoline and oil:		
Towboats	30	.....
Launches	25	639
Barges and flats	64	.....
Rafts	571	.....
Miscellaneous	31	.....
Total	723	739

KENTUCKY RIVER, KY.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1883	91,487	[1] $700,000	2,719	1902	[4] 267,200	[1] $2,500,000	[4] 11,951
1884	265,750	5,013,142	9,783	1903	[4] 377,823	[1] 3,200,000	[4] 17,071
1885	213,960	5,358,446	16,447	1904	[4] 350,288	[1] 3,200,000	[4] 14,591
1886	132,576	1,045,834	1,590	1905	[4] 332,265	[1] 3,170,000	[4] 18,547
1887	144,577	9,375,000	18,557	1906	[4] 311,478	[1] 3,000,000	[4] 19,251
1888	261,067	2,706,733	2,150	1907	[4] 420,486	[1] 4,000,000	[4] 17,374
1889	435,595	[1] 4,000,000	1,685	1908	[4] 322,122	[1] 3,000,000	[4] 16,617
1890	[2] 323,215	[1] 3,000,000	[3] 1,995	1909	263,785	2,097,077	9,322
1891	[2] 389,219	[1] 3,500,000	[3] 2,023	1910	254,721	1,921,581	9,842
1892	[2] 431,846	[1] 4,000,000	[3] 3,172	1911	209,249	2,638,880	18,622
1893	[2] 330,449	[1] 3,800,000	[3] 3,176	1912	186,269	2,219,637	30,555
1894	[2] 250,817	[1] 2,700,000	[3] 3,055	1913	211,794	2,307,047	[4] 7,074
1895	[2] 296,318	[1] 2,900,000	[3] 2,841	1914	204,696	2,355,261	[4] 7,604
1896	[2] 269,386	[1] 3,100,000	[3] 2,082	1915	208,766	2,634,328	38,403
1897	[2] 317,727	[1] 3,000,000	20,000	1916	177,191	2,386,360	35,836
1898	[4] 174,534	[1] 2,000,000	[4] 20,481	1917	148,981	3,470,986	23,965
1899	[4] 260,471	[1] 2,500,000	[4] 16,127	1918	123,939	2,303,244	3,671
1900	[4] 264,019	[1] 2,500,000	[4] 15,893	1919	160,752	4,001,987	16,430
1901	[4] 217,000	[1] 2,200,000	[4] 12,746	1920	208,484	3,575,684	29,100
				1921	[5] 256,336	3,271,619	50,999

[1] Estimated value.
[2] Total 5 original locks.
[3] Given in tons; number unknown.
[4] Total upper and lower locks only.
[5] Includes 53,242 tons of rafted logs and railroad ties valued at $638,168.

Freight traffic, 1921.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.						*Miles.*	*Cents.*
Animals and animal products	.....	.....	145	.....	$36,245.00	.....	.....
Cured meats	.....	63	.....	$25,200.00	.....	56	3.07
Live stock—							
Cattle	.....	72	.....	8,640.00	.....	34	6.15
Hogs	.....	2	.....	350.00	.....	30	6.15
Horses	.....	7	.....	1,925.00	.....	53	6.15
Sheep	.....	1	.....	130.00	.....	25	6.15
Vegetable food products	.....	.....	2,311	.....	198,012.75	.....	.....
Apples	.....	19	.....	1,429.00	.....	42	2.65
Beans	.....	17	.....	2,040.00	.....	42	3.07
Feed, stock (mixed)	.....	352	.....	10,560.00	.....	93	2.65
Flour	.....	743	.....	70,585.00	.....	44	3.07
Fruits, canned	.....	70	.....	15,400.00	.....	50	3.07

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KENTUCKY RIVER, KY.—continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND—continued.							
Vegetable food products—Con.							
Grain—						*Miles.*	*Cents.*
Corn		22		$440.00		59	2.65
Oats		43		1,115.85		62	2.65
Rye		14		350.00		31	2.65
Wheat		43		2,119.90		40	2.65
Hay		284		5,680.00		96	2.30
Meal		2		100.00		147	3.07
Molasses		2		132.60		42	2.30
Potatoes		59		3,245.00		44	2.65
Sugar		395		55,300.00		42	3.07
Vegetables, canned		246		29,520.00		50	3.07
Other vegetable products: Tobacco		35	35	10,500.00	$10,500.00	29	2.30
Wood and paper			255		7,840.00		
Lumber		236		7,080.00		44	1.53
Shingles		19		760.00		42	1.65
Minerals, nonmetallic			41,342		175,261.40		
Brick		28		182.00		39	1.46
Calcite	120			2,400.00		8	.50
Cement		429		5,577.00		114	2.65
Coal	12,800			57,600.00		40	.40
Gasoline		552		33,120.00		205	1.46
Gravel	5,482			4,933.80		75	.34
Lime		17		306.00		41	2.65
Oil, crude		30		360.00		30	1.46
Oil, refined		638		47,850.00		169	1.46
Salt		222		3,996.00		87	2.65
Sand	20,999			18,899.10		24	.34
Stone	25			37.50		8	.50
Ores, metals, etc.: Hardware		19	19	3,800.00	3,800.00	43	3.07
Machinery and vehicles			170		34,630.00		
Automobiles		1		830.00		42	3.07
Machinery (farm)		169		33,800.00		30	3.07
Unclassified			1,421		284,200.00		
Household goods		17		3,400.00		42	3.07
Merchandise, miscellaneous		1,404		280,800.00		42	3.07
Total upbound	39,426	6,272	45,698		750,489.15		
DOWN BOUND.							
Animals and animal products:			711		132,070.00		
Eggs		62		31,000.00		42	3.07
Hides		1		110.00		42	3.07
Poultry		31		13,950.00		42	3.07
Live stock—							
Cattle		286		34,320.00		42	6.15
Hogs		205		35,875.00		42	6.15
Horses		2		550.00		42	6.15
Mules		1		275.00		42	6.15
Sheep		123		15,990.00		42	6.15
Vegetable food products			176		6,004.30		
Flour		5		475.00		15	3.07
Grain—							
Corn		37		740.00		38	2.65
Wheat		1		49.30		42	2.65
Fruits, canned		1		220.00		15	3.07
Hay		114		2,280.00		30	2.30
Sugar		4		560.00		13	3.07
Vegetables, canned		14		1,680.00		28	3.07
Other vegetable products: Tobacco		919	919	275,700.00	275,700.00	38	2.30
Wood and paper			55,379		682,076.00		
Logs (rafted)	52,699			632,388.00		190	.15
Lumber	704	201		27,150.00		38	1.53
Posts, fence (cedar)	1,197			16,758.00		83	1.53
Ties, railroad (rafted)	543	35		5,780.00		35	.15

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KENTUCKY RIVER, KY.—continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
DOWN BOUND—continued.						*Miles.*	*Cents.*
Minerals, nonmetallic			153,176		$1,370,111.00		
Calcite	325			$6,500.00		56	0.50
Coal	56,382			253,719.00		200	.40
Fluorspar	1,048			31,440.00		60	.50
Oil, crude	89,421			1,073,052.00		119	.57
Sand	6,000			5,400.00		9	.34
Ores, metals, etc.			7		1,169.00		
Iron, scrap		2		24.00		22	1.46
Iron and steel, manufactured		1		105.00		17	1.46
Oil-well supplies		4		1,040.00		20	1.46
Unclassified			270		54,000.00		
Household goods		15		3,000.00		39	3.07
Merchandise, miscellaneous		247		49,400.00		39	3.07
Miscellaneous		8		1,600.00		39	3.07
Total down bound	208,319	2,319	210,638		2,521,130.30		
Total upbound and down bound	247,745	8,591	256,336		3,271,619.45		

Passengers:	
Upbound	25,458
Down bound	25,541
Total	[1] 50,999

[1] Of this number 45,570 and 700 were excursionists in pools Nos. 4 and 10, respectively.

SUMMARY.

Classes of commodities.	Internal.	
	Tons.	Value.
Animals and animal products	856	$168,315
Vegetable food products	2,487	204,017
Other vegetable products	954	286,200
Wood and paper	55,634	689,916
Nonmetallic minerals	194,518	1,545,372
Ores, metals, and manufactures of	26	4,969
Machinery and vehicles	170	34,630
Unclassified	1,691	338,200
Total	256,336	3,271,619

Vessel classification, 1921.

Class.	Number.	Passengers.
Steamers:		
Packets	1	2,381
Towboats	8	37
Pleasure	1	11
Gasoline:		
Packets	1	622
Towboats	48	46,450
Launches	118	1,120
Barges and flats	346	
Rafts	750	
Miscellaneous	899	378
Total	2,172	50,999

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LOUISVILLE, KY., DISTRICT.

LOCK AND DAM AT GRAND RAPIDS, WABASH RIVER.

Comparative statement of traffic.

Year.	Short tons.	Value.	Passengers.	Year.	Short tons.	Value.	Passengers.
1910	1,075	(1)	86	1916	676	$24,133	263
1911	2,063	(1)	1,160	1917	346	20,076	422
1912	2,010	(1)	768	1918	202	12,275	69
1913	1,252	$25,910	589	1919	267	14,381	230
1914	187	9,381	834	1920	308	18,907	108
1915	452	17,518	609	1921	119	14,252	79

[1] No statistics available.

Traffic passing the lock at Grand Rapids, Wabash River, during the calendar year 1921.

Kind of craft.	Number.	Net registered tonnage.
Passenger boats	34	128
Towboats	137	576
Barges	16	583
Dredges	1	75
Small craft	114	278
Pumpboats	1	75
Total	303	1,715
Lockages	153	.....

Commerce passing the lock at Grand Rapids, Wabash River, during the calendar year 1921.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
Animals and animal products: Shells (unmanufactured)	57	.....	57	$1,852	$1,852
Unclassified	.....	62	62	12,400	12,400
Total	57	62	119	14,252	14,252

GREEN AND BARREN RIVERS, KY.

Comparative statement of traffic.

Statements of commerce on Green and Barren Rivers have been given in former reports as being that which passed Lock No. 1, Green River. Recent developments of the oil fields in the vicinity of Bowling Green, at the head of navigation on Barren River, and the shipments of large quantities of rock asphalt from Nolin River by way of upper Green and Barren Rivers to Bowling Green, have brought about a material change in conditions so that the amount of commerce passing Lock 1, Green River, is no longer a measure of the commerce on Green and Barren Rivers. A statement of the total commerce of these rivers is given below:

Year.	Short tons.	Floated logs.	Value.	Passengers.
1917	257,083	26,772	$6,398,272	18,410
1918	173,833	19,676	5,351,949	13,097
1919	167,603	9,494	7,465,613	13,899
1920	208,992	15,000	6,462,209	20,363
1921	300,200	22,832	6,715,593	23,508

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GREEN AND BARREN RIVERS, KY.—continued.

Commerce of Green and Barren Rivers, calendar year 1921.

[Compiled from reports of commerce passing locks. Articles are entered only once whether they passed one or more locks.]

Classes and commodities.	Amount in short tons, by commodities.			Amount in short tons, by classes.	Value.	
	Bulk.	Package.	Floated logs.		By commodities.	By classes.
Animals and animal products				2,673		$425,761
Cattle		1,173			$134,895	
Hogs		1,402			256,566	
Horses and mules		98			34,300	
Vegetable food products				1,252		83,166
Corn		162			3,818	
Wheat		51			2,550	
Flour		596			59,600	
Hay		363			7,260	
Sugar		79			9,875	
Molasses		1			63	
Other vegetable products: Tobacco		199		199	109,450	109,450
Wood and paper				115,134		936,414
Logs	5,708		22,832		342,480	
Railroad ties	83,559				501,354	
Lumber		2,716			81,480	
Shingles		63			2,205	
Handles		81			3,645	
Staves		175			5,250	
Nonmetallic minerals				185,476		1,565,302
Coal	46,761				233,805	
Oils, refined		1,320			52,800	
Rock asphalt	126,244				1,262,440	
Building stone	1,200				3,000	
Sand and gravel	9,621				8,659	
Cement, Portland		128			1,568	
Salt		202			3,030	
Machinery and vehicles: Iron, manufactured		641		641	64,100	64,100
Unclassified		17,657		17,657	3,531,400	3,531,400
Total	273,093	27,107	22,832	323,032		6,715,393

Comparative statement of traffic passing Lock No. 1, Green River.

Year.	Tons.	Floated logs (tons).	Total value.	Passengers.
1914	169,852	141,688	$4,399,929	10,800
1915	118,652	71,316	4,125,972	13,188
1916	158,356	24,315	4,119,615	17,922
1917	235,778	17,063	6,023,649	16,117
1918	158,066	10,919	4,972,843	6,221
1919	114,404	4,510	5,301,742	8,799
1920	120,861	5,680	4,311,906	7,662
1921	136,704	8,257	3,829,465	7,640

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GREEN AND BARREN RIVERS, KY.—continued.

Commerce passing Lock No. 1, Green River.

Classes and commodities.	Amount in short tons, by commodities.			Amount in short tons, by classes.	Value.	
	Bulk.	Package.	Floated logs.		By commodities.	By classes.
Animals and animal products				2,481		$389,564
Cattle	1,083				$124,545	
Hogs	1,343				245,769	
Horses and mules	55				19,250	
Vegetable food products				574		49,569
Corn		39			919	
Wheat		51			2,550	
Flour		387			38,700	
Hay		45			900	
Sugar		52			6,500	
Wood and paper				94.738		656,162
Logs	2,065		8,257		123,864	
Railroad ties	83,353				500,118	
Lumber		1,005			30,150	
Shingles		58			2,030	
Nonmetallic minerals				34,171		139,070
Coal	24,448				122,240	
Oils, refined		129			5,160	
Sand and gravel	9,360				8,424	
Cement, Portland		96			1,176	
Salt		138			2,070	
Machinery and vehicles: Iron, manufactured		43		43	4.300	4,300
Unclassified		12,954		12,954	2,590,800	2,590,800
Total	121,707	14,997	8,257	144,961	3.829,465	3,829,465

Traffic passing the locks on Green and Barren Rivers during the calendar year 1921.

Kind of craft.	Green River.							
	Lock No. 1.		Lock No. 2.		Lock No. 3.		Lock No. 4.	
	Number.	Net registered tonnage.	Number.	Net registered tonnage.	Number.	Net registered tonnage.	Number.	Net registered tonnage.
Passenger boats	328	40,897	330	40,627	927	42,471	897	41,228
Towboats	305	20,357	178	8,220	180	6,920	525	14,391
Government boats	160	17,886	89	9,507	95	8,958	131	22,660
Barges	1,204	419,586	582	259,628	470	223,918	829	245,121
Small craft	822	5,469	101	364	98	445	81	193
Raft					6		3	
Total	2,819	504,195	1,280	318,346	1,776	282,712	2,466	323,593
Lockages	2,035		1,059		1,674		1,980	

Kind of craft.	Green River.				Barren River, Lock No. 1.	
	Lock No. 5.		Lock No. 6.			
	Number.	Net registered tonnage.	Number.	Net registered tonnage.	Number.	Net registered tonnage.
Passenger boats	30	3,143	28	3,105	893	39,635
Towboats	520	25,924	522	28,432	614	28,915
Government boats	46	7,272	43	5,718	10	1,342
Barges	1,601	574,632	1,553	419,099	1,514	431,255
Small craft	216	790	651	1,283	69	158
Raft			3			
Total	2,413	611,761	2,800	457,637	3,100	501,305
Lockages	1,998		2,328		2,612	

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ROUGH RIVER, KY.

Comparative statement of traffic passing Lock 1, Rough River.

Year.	Tons.	Floated logs (tons).	Value.	Passengers.
1916	3,500	9,443	$244,788	77
1917	1,272	11,492	180,539	34
1918	4,639	3,700	77,008	.....
1919	2,028	3,203	110,390	6
1920	3,346	2,700	64,014	34
1921	742	8,710	109,230	17

Freight traffic passing Lock No. 1, 1921.

Classes and commodities.	Amount in short tons, by commodities.			Amount in short tons, by classes.	Value.	
	Bulk.	Package.	Floated logs.		By commodities.	By classes.
Animals and animal products: Cattle	.....	2	.....	2	$230	$230
Wood and paper: Logs	.....	.....	8,710	8,710	104,520	104,520
Nonmetallic minerals: Coal	736	.....	.....	736	3,680	3,680
Unclassified	.....	4	.....	4	800	800
Total	736	6	8,710	9,452	.....	109,230

Vessel classification.

Kind of craft.	Number.	Net registered tonnage.
Towboats	4	260
Barges	41	4,584
Small craft	92	290
Rafts	20	.....
Total	157	5,134
Lockages	205	.....

DULUTH, MINN., DISTRICT.

GRAND MARAIS HARBOR, MINN.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890	275	$32,035	(1)	1906	30,910	$970,083	(1)
1891	319	32,687	(1)	1907	48,185	1,471,555	(1)
1892	756	65,374	(1)	1908	41,125	1,253,574	(1)
1893	907	78,460	(1)	1909	13,285	1,656,557	(1)
1894	441	41,230	(1)	1910	15,350	958,307	(1)
1895	913	91,300	(1)	1911	9,727	175,129	(1)
1896	1,360	114,198	(1)	1912	9,246	265,929	(1)
1897	1,777	122,868	(1)	1913	5,480	199,648	(1)
1898	3,182	249,764	(1)	1914	2,216	198,037	(1)
1899	6,203	454,360	(1)	1915	4,298	227,949	3,565
1900[2]	.....	.....	.....	1916	4,552	861,756	3,395
1901	24,118	249,144	(1)	1917	5,738	432,612	2,217
1902	24,233	338,975	(1)	1918	6,443	318,362	1,818
1903	35,255	732,137	(1)	1919	8,468	371,802	1,510
1904	64,240	1,179,902	(1)	1920	14,447	292,351	2,003
1905	82,110	1,180,518	(1)	1921	7,500	326,094	1,550

[1] No record. [2] 1900 records destroyed by fire.

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GRAND MARAIS HARBOR, MINN.—continued.

[Navigation season: Opened Apr. 8, 1921; closed Jan. 17, 1922.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	*Cents.*
Animals and animal products			73		$21,600		
Cattle		9		$1,750		106	14.15
Horses		18		5,250		106	9.43
Swine		1		200		106	
Beef		45		14,400		106	3.77
Vegetable food products			649		33,324		
Corn		31		678		106	3.40
Oats		152		4,275		106	3.40
Flour		205		18,450		106	2.83
Feed		150		3,075		106	2.83
Hay		55		1,045		106	2.83
Potatoes		2		91		106	2.83
Fruit and vegetables		41		5,125		106	4.71
Soft drinks		13		585		106	4.71
Wood and paper			135		4,950		
Lumber		105		3,150		106	4.24
Paper (building)		30		1,800		106	
Nonmetallic minerals			1,477		42,080		
Coal, hard	450			6,300		106	2.83
Coal, soft	250			2,000		106	2.83
Cement		175		2,100		106	2.83
Lime and plaster		15		300		106	2.83
Brick		50		500		106	2.83
Gasoline		370		25,037		106	7.08
Kerosene		131		4,968		106	7.08
Salt		36		875		106	2.83
Ores, metals, manufactured iron		25	25	2,000	2,000	106	
Unclassified		480	480	96,000	96,000	106	
Total receipts, internal	700	2,139	2,839		199,954		
SHIPMENTS, INTERNAL.							
Animals and animal products			320		27,200		
Cattle		17		3,500		106	14.15
Horses		3		900		106	9.43
Fish		300		22,800		106	5.66
Vegetable food products			48		1,875		
Potatoes		45		1,500		106	2.83
Fruit and vegetables		3		375		106	4.71
Wood and wood products			3,943		27,065		
Lumber		75		1,750		(1)	
Lath		12		325		(1)	
Shingles		7		350		(1)	
Pulp wood	3,000			15,000		(1)	
Railroad ties	765			7,245		(1)	
Barrels, oil, empty		84		2,395		106	6.74
Unclassified		350	350	70,000	70,000	(1)	
Total shipments, internal	3,765	896	4,661		126,140		
Total receipts and shipments, internal	4,465	3,035	7,500		326,094		

[1] Distance and rate unknown.

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GRAND MARAIS HARBOR, MINN.—continued.

Freight traffic, 1921—Continued.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products	73	$21,600	320	$27,200	393	$48,800
Vegetable food products	649	33,324	48	1,875	697	35,199
Wood and wood products	135	4,950	3,943	27,065	4,078	32,015
Nonmetallic minerals	1,477	42,080	.....	.....	1,477	42,080
Ores, metals	25	2,000	.....	.....	25	2,000
Unclassified	480	96,000	350	70,000	830	166,000
Total	2,839	199,954	4,661	196,140	7,500	326,094

Vessels arrived and departed, 1921.

Class.	American.	Net registered tonnage.	Passengers.
Steam	266	81,752	.....
Scows	2	714	.....
Gasoline	21	252	1,550
Total	289	82,718	1,550

No foreign imports or exports.

No new lines of transportation were established during the year.

All vessels doing business at this harbor make use of the Government improvements.

Boats drawing 13 feet of water or less carried all the freight received or shipped during the season.

Decrease in number of arrivals and departures under 1920, 35 boats or 11 per cent, due to there being less gasoline boats doing business than last year. The net registered tonnage was increased over 1920 by 4 per cent, due to there being more steam vessels which entered and departed than last season.

AGATE BAY HARBOR, MINN.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890	1,021,483	(1)	(1)	1906	9,566,874	$28,697,943	(1)
1891	1,041,233	(1)	(1)	1907	9,571,752	26,780,191	(1)
1892	1,359,362	(1)	(1)	1908	6,688,602	16,941,624	(1)
1893	959,884	(1)	(1)	1909	10,628,731	29,308,378	(1)
1894	1,439,170	(1)	(1)	1910	9,651,094	32,310,860	(1)
1895	2,218,530	(1)	(1)	1911	7,422,559	23,547,459	(1)
1896	1,905,559	(1)	(1)	1912	10,895,572	28,994,539	(1)
1897	2,730,322	(1)	(1)	1913	11,758,009	31,758,689	(1)
1898	2,812,168	(1)	(1)	1914	6,668,005	16,129,968	(1)
1899	4,604,252	(1)	(1)	1915	9,963,107	22,516,664	(1)
1900	4,723,784	(1)	(1)	1916	12,349,278	33,255,962	13,199
1901	5,816,583	$13,602,018	(1)	1917	10,773,241	43,020,032	827
1902	6,563,456	15,789,960	(1)	1918	10,155,700	40,387,497	1,875
1903	5,986,759	15,042,922	(1)	1919	7,474,418	31,090,565	742
1904	5,350,293	13,532,524	(1)	1920	10,704,464	48,943,259	1,142
1905	9,005,132	24,370,810	(1)	1921	3,980,097	14,930,602	554

[1] No statistics available.

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AGATE BAY HARBOR, MINN.—continued.

[Navigation season: Opened Apr. 28; closed Nov. 3, 1921. Local navigation closed Dec. 7.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	
Animals and animal products			27		$2,126		
Cattle		1		$150		(1)	(1)
Fish		26		1,976		(1)	(1)
Nonmetallic minerals, coal, soft	214,370		214,370		1,393,405	830	$0.06
Unclassified		71	71		4,260	(1)	(1)
Total receipts, internal	214,370	98	214,468		1,399,791		
SHIPMENTS, INTERNAL.							
Animal and animal products			219		16,868		
Fish		218		16,568		(1)	(1)
Horses		1		300			
Vegetable food products			5		100		
Feed		2		35		(1)	(1)
Hay		2		32		(1)	(1)
Potatoes		1		33		(1)	(1)
Wood and wood products			84,651		432,283		
Lumber		1		33		(1)	(1)
Pulpwood	84,650			432,250		918	.191
Ores, metals: Iron ore	3,680,698		3,680,698	13,079,360	13,079,360	843	.0953
Unclassified		56	56	11,200	11,200	(1)	(1)
Total shipments, internal	3,765,348	281	3,765,629		13,539,811		
Total receipts and shipments, internal	3,979,718	379	3,980,097		14,939,602		

[1] Distance and rate unknown.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products	27	$2,126	219	$16,868	246	$18,994
Vegetable food products			5	100	5	100
Wood and wood products			84,651	432,283	84,651	432,283
Nonmetallic minerals	214,370	1,393,405			214,370	1,393,405
Ores, metals (except machinery and vehicles)			3,680,698	13,079,360	3,680,698	13,079,360
All other	71	4,260	56	11,200	127	15,460
Total	214,468	1,399,791	3,765,628	13,539,811	3,980,097	14,939,602

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AGATE BAY HARBOR, MINN.—continued.

Vessels arrived and departed, 1921.

Class.	American.	Net registered tonnage.	Passengers.
Steamers	1,002	3,522,570	554
Tow barges	34	32,456	.....
Tugs and gasoline	40	520	.....
Total	1,076	3,555,546	.....

Decrease in net registered tonnage under 1920, 5,718,189.
Decrease in number of arrivals and departures, 1,275.
Average iron ore cargo in 1920, 9,043 tons.
Average iron ore cargo in 1921, 10,019 tons.
Greatest draft of vessels arrived or departed, 21 feet.
No imports or exports; no revenue collected; no boats enrolled at this port.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers
1890	2,848,672	(1)	(1)	1906	29,171,221	251,899,844	90,489
1891	3,493,533	(1)	(1)	1907	34,786,705	287,529,694	53,410
1892	4,241,902	(1)	(1)	1908	23,797,162	223,114,320	57,087
1893	4,975,292	(1)	(1)	1909	32,529,301	261,509,159	51,423
1894	5,826,656	(1)	(1)	1910	36,684,578	284,049,072	63,400
1895	6,325,351	$95,000,000	(1)	1911	30,672,846	236,056,373	65,685
1896	7,886,833	111,676,900	(1)	1912	41,474,776	320,921,932	55,470
1897	8,475,224	118,551,185	(1)	1913	46,875,416	352,595,577	65,343
1898	10,127,261	142,643,020	(1)	1914	33,535,704	287,002,960	61,883
1899	11,608,088	157,143,966	(1)	1915	40,494,672	368,802,154	51,809
1900	11,725,245	135,109,196	(1)	1916	52,177,333	387,219,625	51,809
1901	12,973,373	164,305,819	(1)	1917	52,411,824	471,309,736	26,341
1902	17,505,793	194,444,695	(1)	1918	53,746,358	537,514,906	22,732
1903	17,966,718	177,744,956	(1)	1919	42,895,681	444,037,628	40,119
1904	16,617,017	157,233,209	(1)	1920	46,808,613	552,900,033	43,876
1905	22,676,145	196,751,583	75,261	1921	30,083,555	330,512,891	43,368

[1] No statistics available.

[Navigation season: Opened Apr. 11, 1921; closed Dec. 12, 1921. Local navigation closed Jan. 22, 1922.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products [1]	.....	76,766	.....	$2,870,576
Flax [2]	14,176	.....	$947,509	.....
Wheat [2]	44,512	.....	1,814,599	.....
Screenings [2]	18,078	.....	108,468	.....
Total imports	.....	76,766	.....	2,870,576
EXPORTS.				
Ores, metals: Iron ore [1 3]	143,325	143,325	509,320	509,320
Total exports	.....	143,325	.....	509,320
Total imports and exports	.....	220,091	.....	3,379,896

[1] Distance and rate unknown. [2] Grains from Canada. [3] Ore to Canada.

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AGATE BAY HARBOR, MINN.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	*Cents.*
Animals and animal products			2,528		$240,385		
Butter		59		$43,660		40	7.5
Eggs		3		872		40	7.5
Cattle		14		2,600		[1] 106	14.15
Horses		3		900		[1] 106	9.4
Fish		2,428		184,528		[1] 80	7.5
Deer and moose		21		7,825		[1] 106	14.15
Vegetable food products:							
Potatoes		337	337	11,233	11,233	70	4.3
Nonmetallic minerals			11,026,425		91,637,012		
Coal, hard	1,844,642			23,058,025		985	.0507
Coal, soft	8,320,207			52,001,294		853	.0586
Cement	58,844			544,307		(2)	
Limestone	317,411			936,362		(2)	
Salt	54,821			542,728		750	.166
Oils	254,906			14,329,900		(2)	
Sand	112,987			127,110		(2)	
Gravel	61,857			92,786		(2)	
Sandstone	750			4,500		(2)	
Ores, metals			30,196		2,292,196		
Manufactured iron		29,296		2,226,496		884	.7
Manganese ore	600			37,200		(2)	
Lead		300		28,500		(3)	
Machinery and vehicles			934		552,775		
Automobiles		553		352,750		727	3.88
Machinery		381		200,025		985	1.13
Chemicals: Slag	85,436		85,436	170,872	170,872	(2)	
Unclassified		117,406	117,406	32,873,680	32,873,680	(4)	
Total receipts, internal	11,112,461	150,801	11,263,262		127,778,153		
SHIPMENTS, INTERNAL.							
Animals and animal products			9,273		6,748,003		
Butter		9,019		6,674,000		985	.0147
Eggs		229		66,593		985	.0147
Horses		25		7,350		106	.094
Vegetable food products			2,863,542		131,387,402		
Barley	120,307			2,541,981		985	.000759
Corn	136,331			2,400,406		985	.000760
Flax	126,813			8,476,061		985	.000697
Oats	55,899			1,122,178		985	.00103
Oil cake		200		13,600		985	.00500
Rye	344,469			12,523,895		985	.00080
Wheat	1,367,630			55,753,729		985	.000772
Flour		686,811		48,076,763		985	.00500
Feed		16,016		280,280		985	.00500
Fruit and vegetables		169		21,125		(1)	
Bran		8,758		175,160		985	.00500
Hay		139		2,224		(1)	
Other vegetable products:							
Seed		67	67	18,760	18,760	985	
Textiles: Wool		2,064	2,064	1,857,600	1,857,600	985	.0147
Wood and wood products			53,434		1,432,835		
Lumber	23,078			538,475		985	.0038
Shingles		16,126		806,300		985	.0044
Kegs		178		17,800		(1)	
Pulp wood	14,052			70,260		920	.0019
Nonmetallic minerals			2,021		47,865		
Cement		407		3,765		90	.0333
Coal	452			3,548		80	.0375
Salt		438		4,443		90	.0278
Oils		724		36,109		106	.0708
Ores and metals			15,662,770		55,893,697		
Copper		900		225,000		985	.00589
Iron ore	15,661,731			55,655,075		864	.00093
Zinc		139		13,622		985	.00589
Unclassified		7,031	7,031	1,968,680	1,968,680	(3)	
Total shipments, internal	17,850,762	749,440	18,600,202		199,354,842		
Total receipts and shipments, internal	28,963,223	900,241	29,863,464		327,132,995		

[1] Includes loading and unloading.
[2] Carried by owners; no rate.
[3] Distance and rate unknown.
[4] Part local, part interlake, impracticable to estimate rate or distances.

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AGATE BAY HARBOR, MINN.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Receipts.		Shipments.		Tons.	Value.
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.		
Animals and animal products					2,528	$240,385	9,273	$6,748,003	11,801	$6,988,388
Vegetable food products	76,766	$2,870,576			337	11,233	2,863,542	131,387,402	2,940,645	134,269,211
Other vegetable products							67	18,760	67	18,760
Textiles: Wool							2,064	1,857,600	2,064	1,857,600
Wood and wood products							53,434	1,432,835	53,434	1,432,835
Nonmetallic minerals					11,026,425	91,637,012	2,021	47,865	11,028,446	91,684,877
Ores, metals			143,325	$509,320	30,196	2,292,196	15,662,770	55,893,697	15,836,291	58,695,213
Machinery and vehicles					934	552,775			934	552,775
Chemicals, slag					85,436	170,872			85,436	170,872
Unclassified					117,406	32,873,680	7,031	1,968,680	124,437	34,842,360
Total	76,766	2,870,576	143,325	509,320	11,263,262	127,778,153	18,600,202	199,354,842	30,083,555	330,512,891

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AGATE BAY HARBOR, MINN.—continued.

Vessels arrived and departed, 1921.

Class.	American.	Net registered tonnage.	Foreign.	Net registered tonnage.	Total. vessels.	Total net registered tonnage.
Steam	4,321	18,964,129	527	1,664,544	4,848	20,628,673
Barges	61	85,137	22	10,824	83	95,961
Tugs and gasoline	685	20,389	22	1,104	707	21,493
Total	5,067	19,069,655	[1] 571	[1] 1,676,472	5,638	20,746,127

[1] Principally American bottoms in Canadian trade.

Total number of passengers arrived 21,242
Total number of passengers departed 22,126

Total 43,368

The navigation season for interlake traffic covered a period of 246 days, from April 11 to December 12. Local navigation closed January 22, 1922. Average date of opening for 51 years, April 21; average date of closing, December 14.

Value of imports by lake, free ..... [1] $1,349,307
Value of imports by lake, dutiable ..... [1] 1,386,485
Value of exports by lake ..... [1] [2] 14,880,992
Revenue collected during the year ..... [1] 292,405

PORT WING HARBOR, WIS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1902	40,723	$653,400	(a)	1912	11,999	$199,807	516
1903	51,969	785,054	1,100	1913	11,712	192,516	753
1904	44,394	568,133	1,020	1914	1,986	78,541	760
1905	44,249	512,721	900	1915	1,432	78,041	612
1906	28,611	345,448	768	1916	1,522	100,334	[b] 2,495
1907	106,971	973,660	507	1917	565	109,214	105
1908	23,100	312,941	685	1918	2,844	192,224	51
1909	29,745	447,595	284	1919	2,978	183,553	[b] 3,711
1910	25,149	486,564	(a)	1920	2,310	185,045	[b] 5,231
1911	12,419	313,504	501	1921	893	96,435	[b] 1,944

[1] Values from records of United States customs office.
[2] For 11 months, January to November, inclusive.

[a] No record.
[b] Mostly excursion sts.

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PORT WING HARBOR, WIS.—continued.

[Navigation season: Opened Apr. 12, closed Dec. 7, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	*Cents.*
Animals and animal products			2		$376		
Horses		1		$300		34	11.8
Fish		1		76		(1)	
Vegetable food products			25		1,088		
Corn		15		818		34	10.6
Fruit and vegetables		4		500		34	10.6
Soft drinks		6		270		34	10.3
Wood and wood products, lumber		28	28	80	80	34	8.8
Nonmetallic minerals			183		1,933		
Coal	6			63		34	8.8
Cement		177		1,870		34	9.7
Unclassified		319	319	63,800	63,800	(1)	
Total receipts, internal	6	551	557		67,277		
SHIPMENTS, INTERNAL.							
Animals and animal products			43		5,396		
Cattle		19		3,572		(1)	(1)
Fish		24		1,824		34	14.7
Vegetable food products			219		8,962		
Wheat		92		4,247		34	10.6
Hay		23		368		34	10.6
Potatoes		98		3,097		34	8.8
Fruit and vegetables		10		1,250		34	10.6
Unclassified		74	74	14,800	14,800	(1)	(1)
Total shipments, internal		336	336		29,158		
Total receipts and shipments	6	887	893		96,435		

[1] Distance and rate unknown.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	2	$376	43	$5,396	45	$5,772
Vegetable food products	25	1,088	219	8,962	244	10,050
Wood and wood products	28	80			28	80
Nonmetallic minerals	183	1,933			183	1,933
Unclassified	319	63,800	74	14,800	393	78,600
Total	557	67,277	336	29,158	893	96,435

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PORT WING HARBOR, WIS.—continued.

Vessels arrived and departed, 1921.

Class.	American.	Net registered tonnage.	Passengers.
Steam	62	36,766	1,944
Gasoline	20	260	.....
Total	82	37,026	1,944

Decrease in registered tonnage under 1920, 4,318.
Greatest draft of vessels entered or departed, 13 feet.
No new lines of transportation established during the year.
No record of unregistered vessels.
No railroad connections.
Number of passengers entered and departed, 1,944; principally excursionists.

ASHLAND HARBOR, WIS.

Comparative statement of traffic.

Year.	Vessel traffic.		Rafted logs.	
	Tons.	Value.	Tons.	Value.
1890	2,816,924	(1)	.....	.....
1891	3,217,541	(1)	.....	.....
1892	4,267,097	(1)	.....	.....
1893	2,759,870	(1)	.....	.....
1894	2,962,502	(1)	.....	.....
1895	3,747,251	(1)	.....	.....
1896	2,391,337	(1)	.....	.....
1897	.....	(2)	.....	.....
1898	2,808,891	$10,630,023	(1)	.....
1899	3,293,478	20,000,000	(1)	.....
1900	3,295,837	15,119,497	(1)	.....
1901	4,082,131	16,957,689	(1)	.....
1902	4,625,450	16,701,450	(1)	.....
1903	4,212,386	20,904,356	(1)	.....
1904	3,435,328	18,725,768	(1)	.....
1905	4,916,174	20,946,514	(1)	.....
1906	4,910,031	20,793,478	(1)	.....
1907	4,856,239	23,856,242	(1)	.....
1908	3,658,530	17,738,143	(1)	.....
1909	5,396,174	17,967,797	(1)	.....
1910	5,694,174	21,605,999	(1)	.....
1911	3,621,279	13,240,067	(1)	.....
1912	6,065,381	16,593,107	(1)	.....
1913	5,623,309	15,880,358	36,262	$253,834
1914	4,373,252	10,948,478	59,200	177,600
1915	6,534,410	15,878,873	30,800	162,800
1916	10,043,501	29,290,391	33,202	199,208
1917	9,526,885	35,924,711	53,200	212,800
1918	9,297,481	37,985,650	63,740	254,960
1919	7,346,243	31,552,340	35,052	324,930
1920	9,836,329	47,043,455	28,912	290,289
1921	3,183,453	13,746,184	19,798	188,000

[1] Information not available.
[2] No record of any statistical report for 1897.

Passengers carried, 82,370 in 1916; 68,988 in 1917; 32,435 in 1919; unknown in 1920 and 1921.

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ASHLAND HARBOR, WIS.—continued.

[Navigation season: Opened April 7, closed Nov. 26, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.		Average haul.
	By commodities.	By classes.	By commodities.	By classes.	
IMPORTS.					*Miles.*
Wood and wood products: Pulp wood	29,340	29,340	146,700	146,700	(1)
EXPORTS.					
Ores, metals: Iron ore	89,920	89,920	285,296	285,296	(1)
Total imports and exports		119,260		431,996	

[1] Distance and rate unknown.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	
Wood and wood products			46,143		$325,297		
Posts	200			$960		(1)	
Poles	1,018			13,845		(1)	
Pulpwood	24,396			121,980		(1)	
Ties	731			512		(1)	
Logs (towed in rafts)	19,796			188,000		(1)	
Nonmetallic minerals			586,989		4,365,946		
Coal, hard	91,755			1,146,912		932	$0.0[illegible]
Coal, soft	495,236			3,219,034		806	.0[illegible]
Total receipts, internal	633,132		633,132		4,691,243		
SHIPMENTS, INTERNAL.							
Animals and animal products:							
Horses		50	50	15,000	15,000	(1)	
Vegetable food products			164		3,000		
Hay		100		1,600		(1)	
Oats		64		1,400		(1)	
Wood and wood products:							
Lumber	3,544		3,544	82,705	82,705	943	.0[illegible]
Ores, metals: Iron ore	2,446,951		2,446,951	8,695,240	8,695,240	836	.097
Unclassified		150	150	15,000	15,000		
Total shipments, internal	2,450,495	364	2,450,859		8,810,945		
Total receipts and shipments	3,083,627	364	3,083,991		13,502,188		

[1] Distance and rate unknown.

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ASHLAND HARBOR, WIS.—continued.

SUMMARY.

Class of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products							50	$15,000	50	$15,000
Vegetable food products							164	3,000	164	3,000
Wood and wood products	29,340	$146,700			46,143	$325,297	3,544	82,705	79,027	554,702
Nonmetallic minerals					586,989	4,365,946			586,989	4,365,946
Ores, metals			89,920	$285,296			2,446,951	8,695,240	2,536,871	8,980,536
Unclassified							150	15,000	150	15,000
Total	29,340	146,700	89,920	285,296	633,132	4,691,243	2,450,859	8,810,945	3,203,251	13,934,184

Vessels arrived and departed, 1921.

Class.	American.	Registered tonnage.	Foreign.	Registered tonnage.	Total.	Total tonnage.
Steam	487	2,024,294	44	174,228	531	2,198,522

No record of passengers.
Decrease in the number of vessels arrived and departed, 1,245.
Decrease in total net registered tonnage, 5,377,282.
No duties collected.
Value of imports by lake, free—$146,700.
Value of exports by lake—$285,296.
Greatest draft of vessels entered or departed, 21.6 feet.
Decrease in freight tonnage and valuation, net registered tonnage, and vessels arrived departed, due to the general depression in all lines of business.

ONTONAGON HARBOR, MICH.

Comparative statement of traffic.

(Exclusive of rafted logs, etc.)

Year.	Tons.	Value.	Year.	Tons.	Value.
1899	8,218	$450.000	1911	21,266	$245,956
1900	7,352	415,066	1912	2,943	41,670
1901	4,284	719,795	1913	8,525	120,609
1902	5,735	416,434	1914	12,032	162,851
1903	7,990	495,070	1915	4,697	395,748
1904	16,900	894,500	1916	2,434	56,680
1905	30,506	1,043,181	1917	1,480	62,518
1906	21,411	797,047	1918	1,406	64,305
1907	7,332	345,493	1919	3,069	75,520
1908	13,049	254,022	1920	2,950	126,313
1909	16,870	325,733	1921	80	11,200
1910	22,059	315,469			

Passengers carried, 1915, 280; other years, no record.

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ONTONAGON HARBOR, MICH.—continued.

ADDITIONAL TRAFFIC, TOWED IN RAFTS.

Year.	Rafted logs (tons).	Value.	Year.	Rafted logs (tons).	Value.
1899	3,100	$18,600	1911	(1)	.....
1900	2,600	15,660	1912	800	$5,600
1901	5,330	29,315	1913	2,500	17,500
1902	7,500	46,875	1914	6,530	45,717
1903	4,800	28,800	1915	2,000	14,000
1904	2,000	12,000	1916	(1)	.....
1905	16,050	104,325	1917	(1)	.....
1906	17,300	129,750	1918	(1)	.....
1907	4,290	32,000	1919	720	9,000
1908	8,140	60,040	1920	1,026	18,402
1909	5,500	38,500	1921	1,000	10,000
1910	(1)	.....			

[1] No statistics available.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS, INTERNAL.						*Miles.*
Animals and animal products, fish	.....	80	80	$11,200	$11,200	(1)
Wood and wood products, logs (rafted)	1,000	.....	1,000	10,000	10,000	(1)
Total receipts, internal	1,000	80	1,080	.....	21,200	.....

[1] Distance and rate unknown.

SUMMARY.

Classes of commodities.	Domestic receipts.		Total.	
	Tons.	Value.	Tons.	Value.
Animals and animal products	80	$11,200	80	$11,200
Wood and wood products	1,000	10,000	1,000	10,000
Total	1,080	21,200	[1] 1,080	21,200

[1] Includes 1,000 tons of logs towed in, valued at $10,000.

Vessels arrived and departed, 1921.

Class.	American.	Net registered tonnage.
Steam	146	4,050
Gasoline	4	308
Total	150	4,358

No record of unregistered vessels.
Decrease in registered tonnage under 1920, 5,464.
Greatest draft of vessels entered or departed, 12 feet.
Decrease in vessel freight tonnage under 1920, 2,870 tons.
Decrease in vessel freight valuation under 1920, $115,113.
There were seven gasoline boats which ran into the harbor for shelter and one steam tug with a net registered tonnage of 379.

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KEWEENAW WATERWAY, MICH.

Comparative statement of traffic.

Year.	Local.			Through.			Through and local.		
	Tons.	Value.	Passengers.	Tons.	Value.	Passengers.	Tons.	Value.	Passengers.
1892							496,288	$14,888,640	30,093
1893							532,628	15,978,840	27,084
1894							754,973	22,649,190	32,636
1895							749,312	29,546,915	24,809
1896							826,800	29,601,752	41,252
1897							876,348	33,808,019	34,936
1898							1,268,404	39,073,906	30,405
1899							1,363,351	54,596,994	34,714
1900							1,751,590	57,147,765	32,875
1901							2,014,978	56,677,657	36,654
1902							2,361,053	64,937,569	47,987
1903							2,323,019	64,859,875	32,980
1904							2,240,570	58,888,180	26,287
1905							2,413,445	79,869,500	34,422
1906							2,632,355	102,846,779	72,400
1907							2,448,041	101,774,906	44,448
1908	1,304,176	$32,251,686	39,934	959,738	$45,072,212	10,225	2,263,914	77,323,898	50,159
1909	1,271,130	32,473,796	41,091	1,272,943	52,792,205	11,040	2,544,073	85,266,001	52,131
1910	1,153,627	26,296,816	51,048	1,231,049	50,965,299	14,286	2,384,676	77,262,115	65,334
1911	1,227,414	30,108,350	48,633	919,203	48,753,261	17,898	2,146,617	78,861,611	66,526
1912	1,252,802	32,299,726	30,269	1,153,816	54,283,086	11,491	2,406,618	86,582,812	41,760
1913	1,060,247	21,655,816	26,836	1,200,313	50,894,518	12,743	2,260,560	72,550,334	39,579
1914	1,077,032	22,578,204	26,294	823,556	47,431,947	10,310	1,900,588	70,010,151	46,604
1915	1,374,636	44,322,561	37,871	1,088,928	66,091,564	8,881	2,462,929	110,414,125	46,752
1916	1,431,025	57,427,421	45,119	796,029	47,753,808	11,032	2,227,054	105,181,229	56,151
1917	1,624,818	58,466,702	10,960	558,456	47,930,570	6,284	2,183,274	106,397,272	17,244
1918	1,557,005	32,435,669	12,114	394,785	40,056,834	6,051	1,951,790	72,492,503	18,165
1919	932,268	19,614,727	12,278	454,404	44,898,943	13,708	1,386,672	64,513,670	25,986
1920	792,424	21,589,850	3,611	356,324	35,071,358	19,311	1,148,748	56,661,208	22,922
1921	655,265	14,569,103	2,799	285,416	28,119,272	16,951	940,681	42,688,375	19,750

For years 1892 to 1907, inclusive, it is impossible to give the local and through commerce separate as no record of such commerce was kept.

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KEWEENAW WATERWAY, MICH.—continued.

[Navigation season: Opened Apr. 11, closed Dec. 8, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
THROUGH, WESTBOUND.				
Nonmetallic minerals		3,300		$21,450
Soft coal	3,300		$21,450	
Unclassified		3,174		888,720
Total through, westbound		6,474		910,170
THROUGH, EASTBOUND.				
Vegetable food products, etc.		7,043		316,978
Flaxseed	1,915		128,011	
Grain (except flaxseed and wheat)	1,408		37,315	
Wheat	3,720		151,652	
Unclassified	2,015	2,015		564,200
Total through, eastbound		9,058		881,178
Total through, west and eastbound		15,532		1,791,348
LOCAL, EXPORTS.				
Wood and paper, etc.: Lumber	3,315	3,315	77,350	77,350
Ores, metals, etc.: Copper	2,202	2,202	550,500	550,500
Total exports		5,517		627,850
LOCAL, IMPORTS.				
Unclassified		2,245		628,600
Total exports and imports		7,762		1,256,450

The above freight was carried on vessels drawing from 12 feet to 18 feet 6 inches of water.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	*Mills.*
Wood and paper			545		$11,850		
Lumber	375			$8,750		15	(1)
Pulp wood	120			600		15	(1)
Shingles		50		2,500		20	(1)
Nonmetallic minerals			599,625		4,077,064		
Hard coal	30,337			379,213		759	0.68
Soft coal	568,574			3,695,731		655	.76
Salt	150			1,485		812	1.54
Sand	564			635		413	(1)
Ores, metals, etc.: Manufactured iron		2,483	2,483	188,708	188,708	809	7.66
Unclassified		5,048	5,048	1,413,440	1,413,440	769	(1)
Total receipts, internal	600,120	7,581	607,701		5,691,062		

[1] Freight rate unknown.

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KEWEENAW WATERWAY, MICH.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTERNAL.						*Miles.*	*Mills.*
Wood and paper: Lumber	10,089		10,089	$235,410	$235,410	665	5.01
Nonmetallic minerals			191		1,361		
Hard coal	20			250		35	(1)
Soft coal	171			1,111		34	(1)
Ores, metals, etc.: Copper		29,378	29,378	7,344,500	7,344,500	782	6.91
Unclassified		144	144	40,320	40,320	33	(1)
Total shipments, internal	10,280	29,522	39,802		7,621,591		
Total internal receipts and shipments	610,400	37,103	647,503		13,312,653		
THROUGH, WESTBOUND.							
Wood and paper: Lumber	1,461		1,461	34,090	34,090	378	(1)
Nonmetallic minerals			55,550		445,320		
Cement	2,660			24,605		533	(1)
Hard coal	4,000			50,000		855	.58
Soft coal	15,900			103,350		800	.63
Limestone	4,681			13,809		786	(1)
Salt	25,266			250,133		731	1.71
Sand	3,043			3,423		985	(1)
Ores, metals, etc.: Manufactured iron		12,143	12,143	922,868	922,868	964	6.43
Unclassified		48,956	48,956	13,707,680	13,707,680	979	(1)
Total through, westbound	57,011	61,099	118,110		15,109,958		
THROUGH, EASTBOUND.							
Vegetable food products			120,586		7,557,610		
Flour		95,292		6,670,440		985	4.97
Grain (except flaxseed and wheat)	7,129			146,634		985	.87
Wheat	18,165			740,536		999	.76
Wood and paper			16,983		365,770		
Lumber	11,883			277,270		809	4.68
Pulp wood	3,700			18,500		721	2.43
Shingles		1,400		70,000		985	4.37
Ores, metals, etc			2,519		22,506		
Copper		55		13,750		985	5.48
Iron ore	2,464			8,756		917	.88
Unclassified		11,686	11,686	3,272,080	3,272,080	944	(1)
Total through, eastbound	43,341	108,433	151,774		11,217,966		
Total through, west and eastbound	100,352	169,532	269,884		26,327,924		

[1] Freight rate unknown.

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KEWEENAW WATERWAY, MICH.—continued.

SUMMARY.

Classes of commodities.	Foreign.								Domestic.								Total.	
	Local.				Through.				Local.				Through.					
	Exports.		Imports.		Westbound.		Eastbound.		Receipts.		Shipments.		Westbound.		Eastbound.		Tons.	Value.
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.		
Vegetable food products							7,043	$316,978							120,586	$7,557,610	127,629	$7,874,588
Wood and paper	3,315	$77,350							545	$11,850	10,089	$235,410	1,461	$34,090	16,963	365,770	32,393	724,470
Nonmetallic minerals					3,300	$21,450			599,625	4,077,064	191	1,361	55,550	445,320			658,666	4,545,195
Ores, metals, etc	2,202	550,500							2,483	188,708	29,378	7,344,500	12,143	922,868	2,519	22,506	48,725	9,029,082
Unclassified			2,245	$628,600	3,174	888,720	2,015	564,200	5,048	1,413,440	144	40,320	48,956	13,707,680	11,686	3,272,080	73,268	20,515,040
Total	5,517	627,850	2,245	628,600	6,474	910,170	9,058	881,178	607,701	5,691,062	39,802	7,621,591	118,110	15,109,958	151,774	11,217,966	940,681	42,688,375

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KEWEENAW WATERWAY, MICH.—continued.

Vessel classification, 1921.

(Through and local.)

Vessels east and west bound, arrived and departed.

Class.	American.	Foreign.	Total.	Net registered tonnage.	Passengers.
Registered: Steam	456	8	464	1,024,966	19,750
Tow barges	31	.....	31	19,147	.....
Tugs and motor	130	4	134	7,654	.....
Total	617	12	629	1,051,767	19,750

No record of unregistered vessels.

Decrease in registered tonnage under 1920, 71,860, or 6.40 per cent; decrease in total number of vessels arrived and departed under 1920, 285, or 31.18 per cent.

Value of imports by lake, free, $628,600.

Value of imports by lake, dutiable, none.

Value of exports by lake, $627,850.

There is no port of entry on this waterway.

Greatest draft of vessels passing through waterway, 20 feet 6 inches.

No new lines of transportation were established.

EXPLANATORY NOTES AND GENERAL INFORMATION.

Unit values for items of freight and factors for converting various units of measurement into tons are the same as used in the compilation of Duluth-Superior commerce for 1921, with but few exceptions, any difference being due to the fact that the quality of certain commodities passing through this waterway or originating thereon differs somewhat from the same commodities shipped from Duluth-Superior Harbor.

Five ports within the waterway received and shipped freight in 1921 to the amount of 655,265 short tons, valued at $14,569,103, the principal commodities shipped being copper, general merchandise, lumber, and unclassified, while the principal commodities received were hard and soft coal, general merchandise, manufactured iron, lumber, pulp wood, salt, sand, shingles, building stone, and unclassified. The following are the names of the different ports, together with the percentage of freight received and shipped at each place: Torch Lake, 48.5 per cent; Houghton, 38.2 per cent; Hancock, 12.9 per cent; Chassell, 0.3 per cent; and Dollar Bay, 0.1 per cent.

MARQUETTE BAY, HARBOR OF REFUGE, MICH. (PRESQUE ISLE, MICH.).

Comparative statement of traffic.

Year.	Short tons.	Value.	Year.	Short tons.	Value.
1896	347,781	$765,000	1909	1,878,129	$5,696,641
1897	1,095,243	2,410,000	1910	2,117,649	7,509,398
1898	1,155,085	2,500,000	1911	1,017,174	3,561,320
1899	1,475,787	3,250,000	1912	2,509,657	6,969,612
1900	1,578,603	3,418,898	1913	2,406,762	6,473,469
1901	1,787,012	4,153,845	1914	1,436,391	3,494,434
1902	1,762,886	4,210,231	1915	2,419,666	5,620,005
1903	1,261,374	3,379,445	1916	3,288,095	9,931,194
1904	1,232,450	3,521,433	1917	2,801,312	11,812,308
1905	2,006,786	6,186,050	1918	2,945,720	11,493,568
1906	1,935,619	5,407,598	1919	1,681,668	6,953,660
1907	1,904,243	5,319,697	1920	3,042,433	14,985,860
1908	972,507	2,657,981	1921	658,788	2,223,410

No passengers

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MARQUETTE BAY, HARBOR OF REFUGE, MICH. (PRESQUE ISLE, MICH.)—continued.

[Navigation season: Opened May 21, closed Nov. 6, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Ores, metals: Iron ore	178,484	178,484	$602,384	$602,384

Classes and commodities.	Amount in short tons, by commodities. (bulk).	Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
			By commodities.	By classes.		
SHIPMENTS, INTERNAL.					*Miles.*	*Cents.*
Ores, metals: Iron ore	480,304	480,304	$1,621,026	$1,621,026	632	0.122

SUMMARY.

Classes of commodities.	Foreign, exports.		Domestic, shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Ores, metals: Iron ore	178,484	$602,384	480,304	$1,621,026	658,788	$2,223,410

Vessels arrived and departed, 1921.

Class.	American.	Registered tonnage.	Foreign.	Registered tonnage.	Total.	Total tonnage.
Steam	118	472,826	32	127,736	150	600,562

Decrease in net registered tonnage, 2,128,096.
Decrease in freight tons, 2,383,645, or 78 per cent.
Decrease in valuation, $12,762,450, or 85 per cent.
Imports, none.
Exports, 178,484 tons of iron ore valued at $602,384. Iron ore was the only commodity shipped.
No package or passenger boats entered.
All vessels doing business at this port during 1921 had a limiting draft of 18 to 20 feet.

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MARQUETTE BAY, HARBOR OF REFUGE, MICH. (PRESQUE ISLE, MICH.)—continued.

Comparative statement of traffic.

Year.	Short tons.	Valuation.	Year.	Short tons.	Valuation.
1887	894,772	[1] $7,650,295	1905	1,684,750	7,884,982
1888	932,335	7,971,460	1906	1,119,395	6,388,387
1889	1,709,913	12,003,589	1907	1,934,738	8,909,051
1890	1,535,031	10,775,918	1908	1,027,715	5,030,917
1891	1,283,728	9,011,771	1909	1,741,055	7,106,799
1892	1,503,480	10,554,430	1910	2,435,791	10,810,406
1893	1,265,209	8,881,767	1911	1,838,873	8,649,960
1894	1,620,656	11,377,005	1912	1,577,189	7,156,180
1895	1,320,050	9,266,751	1913	1,852,229	6,192,889
1896	1,484,280	12,096,068	1914	794,543	3,016,511
1897	1,434,275	6,316,837	1915	1,470,233	5,047,197
1898	1,336,382	6,095,461	1916	1,439,014	6,281,849
1899	1,443,552	6,821,720	1917	1,191,024	7,214,762
1900	1,358,455	6,714,850	1918	1,334,979	6,221,000
1901	1,102,480	3,767,591	1919	997,126	4,560,739
1902	1,347,823	3,672,652	1920	1,138,155	6,775,024
1903	1,417,135	6,317,186	1921	426,829	2,152,227
1904	1,182,084	6,559,384			

[1] Estimated.

[Navigation season: Opened May 9, closed Nov. 9, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
EXPORTS.					*Miles.*	*Cents.*
Ores, metals: Iron ore	10,202	10,202	$34,432	$34,432	(1)	(1)

[1] Distance and rate unknown.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities (bulk).	Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
			By commodities.	By classes.		
RECEIPTS, INTERNAL.					*Miles.*	*Cents.*
Nonmetallic minerals		177,527		$1,310,833		
Coal, hard	26,153		$326,902		619	0.08
Coal, soft	151,374		983,931		745	.067
Total receipts, internal	177,527	177,527		1,310,833		
SHIPMENTS, INTERNAL.						
Ores, metals: Iron ore	239,100	239,100	806,962	806,962	632	.122
Total receipts and shipments	416,627	416,627		2,117,795		

SUMMARY.

Classes and commodities.	Foreign, exports.		Domestic.				Total.	
			Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals							177,527	$1,310,833
Coal, hard			26,153	$326,902				
Coal, soft			151,374	983,931				
Ores, metals and manufactures of: Iron ore	10,202	$34,432			239,100	$806,962	249,302	841,394
Total	10,202	34,432	177,527	1,310,833	239,100	806,962	426,829	2,152,227

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MARQUETTE BAY, HARBOR OF REFUGE, MICH. (PRESQUE ISLE, MICH.)—continued.

Vessels arrived and departed, 1921.

Class.	American.	Registered tonnage.	Foreign.	Registered tonnage.	Total.	Total tonnage.
Steam	100	322,790			100	322,790
Tow barges			2	6,308	2	6,308
Total	100	322,790	2	6,308	102	329,098

Decrease in net registered tonnage under 1920, 447,071.
No passenger or package freight boats entered.
No new lines of transportation were established during the year.
Imports by lake, dutiable, none.
Decrease in freight tonnage under 1920, 63 per cent.
Of the freight received and shipped during the year, iron ore constituted 58 per cent; and coal 42 per cent.
Decrease in coal receipts under 1920 was 49 per cent.
Decrease in ore shipments under 1920 was 68 per cent.
Decrease in valuation under 1920 was 68 per cent.

GRAND MARAIS, HARBOR OF REFUGE, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Logs.		Passengers.
			Number.	Value.	
1890	9,405	[1] $99,505			(2)
1891	1,356	[1] 14,346			(2)
1892	5,020	[1] 53,112			(2)
1893	35,450	[1] 375,061			(2)
1894	39,250	[1] 415,265			(2)
1895	56,208	[1] 594,681			(2)
1896	90,497	[1] 499,650			(2)
1897	142,536	[1] 1,380,675			(2)
1898	[3] 103,825	[3] 1,176,500	32,000	$255,000	(2)
1899	[3] 116,050	[3] 1,455,500	35,000	280,000	(2)
1900	[3] 111,224	[3] 1,370,000	24,533	256,000	(2)
1901	[3] 106,397	[3] 1,421,000	7,000	56,998	(2)
1902	[3] 116,125	[3] 2,005,838	9,000	72,000	(2)
1903	[3] 77,000	[3] 1,584,824	4,000	40,000	(2)
1904	[3] 82,575	[3] 1,821,064	1,125	11,250	(2)
1905	76,810	2,024,200			(2)
1906	103,575	2,508,375			(2)
1907	54,525	2,539,780			(2)
1908	45,006	1,319,658			(2)
1909	36,300	1,204,249			(2)
1910	19,520	538,093			(2)
1911	13,600	554,580			(2)
1912	2,650	183,302			(2)
1913	333	49,084			151
1914	656	98,600			85
1915	710	115,700			400
1916	1,280	260,495			(2)
1917	1,315	374,390			(2)
1918	1,850	340,048			(2)
1919	1,020	301,709			(2)
1920	315	49,848			(2)
1921	40	8,000			(2)

[1] Estimated valuation.
[2] No record.
[3] For the years 1898 to 1904 there were 112,658 tons of logs towed, valued at $971,248, which are not included in the totals for those years.

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GRAND MARAIS, HARBOR OF REFUGE, MICH.—continued.

[Navigation season: Opened Apr. 13, closed Dec. 1, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities (package).	Amount in short tons, by classes.	Value.		Average haul.
			By commodities.	By classes.	
RECEIPTS, INTERNAL.					*Miles.*
Animals and animal products: Fish	40	40	$8,000	$8,000	(1)

[1] Local catch.

Vessels arrived and departed, 1921.

Class.	American.	Net registered tonnage.
Steam	40	11,258
Tow barges	2	1,388
Gasoline	32	1,912
Total	74	14,558

Decrease in net registered tonnage under 1920, 2,624.

Seventeen of the above boats, with a net registered tonnage of 4,959, ran into the harbor for shelter.

Greatest draft of vessels entered or departed, 14 feet.

WARROAD HARBOR, MINN.

Comparative statement of traffic.

[Exclusive of rafted logs, etc.]

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1899	600	(1)		1911	2,400	$214,000	9,200
1900	1,499	(1)		1912	1,900	(1)	
1901	3,325	(1)		1913	2,665	321,000	12,000
1902	4,881	(1)		1914	3,385	314,120	10,495
1903	11,694	(1)		1915	2,210	337,280	10,250
1904	12,683	(1)		1916	2,363	360,640	10,250
1905	24,167	(1)		1917	3,076	472,880	8,240
1906	32,684	(1)		1918	2,106	322,680	5,300
1907	2,000	(1)		1919	3,253	562,070	15,900
1908	2,600	(1)		1920	8,811	528,024	9,725
1909	27,000	(1)		1921	5,387	635,965	8,937
1910	14,600	(1)					

[Additional traffic, towed in rafts.]

Year.	Logs, poles, and posts.	Value.	Year.	Logs, poles, and posts.	Value.
	Tons.			*Tons.*	
1911	8,000	$80,000	1917	2,400	$21,600
1912 [1]			1918	2,700	27,000
1913	4,266	34,100	1919	8,312	83,125
1914	22,400	179,200	1920	690	6,900
1915	4,480	35,840	1921	619	5,325
1916 [1]					

[1] No record available.

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WARROAD HARBOR, MINN.—continued.

[Navigation season: Opened May 3, closed Nov. 8, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products: Fish	1,200	1,200	$216,000	$216,000

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	*Cents.*
Fish		1,300	1,300	$234,000	$234,000	40	0.25
Wood and wood products			1,630		19,600		
Lumber		30		500		30	.10
Piles (rafted)	150			1,200			
Posts	125			750		30	.10
Posts (rafted)	375			2,250			
Poles	531			10,625		40	.075
Poles (rafted)	94			1,875			
Pulp wood	200			1,000		40	.075
Ties	125			1,400		35	.08
Unclassified		50	50	5,000	5,000	20	.15
Total receipts, internal	1,600	1,380	2,980		258,600		
SHIPMENTS, INTERNAL.							
Animals and animal products			4		900		
Horses		2		600		25	.16
Cattle		2		300		25	.16
Vegetable food products			175		9,450		
Flour		100		7,500		20	.15
Feed		50		1,250		20	.15
Oats		9		300		20	.15
Hay		10		250		20	.15
Potatoes		6		150		20	.125
Wood and wood products			49		1,250		
Lumber		45		1,050		20	.085
Lath and shingles		4		200		25	.10
Nonmetallic minerals			98		5,000		
Cement		6		90		20	.15
Oils		92		5,000		20	.15
Unclassified		1,500	1,500	150,000	150,000	25	.12
Total shipments, internal		1,826	1,826		166,600		
Total receipts and shipments	981	3,206	4,187		419,965		

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WARROAD HARBOR, MINN.—continued.

SUMMARY.

Classes of commodities.	Foreign, imports.		Domestic.				Total.	
			Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	1,200	$216,000	1,300	$234,000	4	$900	2,504	$450,900
Vegetable food products					175	9,450	175	9,450
Wood and wood products			1,630	19,600	49	1,250	1,679	30,850
Nonmetallic minerals					98	5,090	98	5,090
Unclassified			50	5,000	1,500	150,000	1,550	155,000
Total	1,200	216,000	2,980	258,600	1,826	166,690	6,006	641,290

Vessels arrived and departed, 1921.

Class.	American.	Foreign.	Total.	Net registered tonnage.	Passengers.
Steam	100	300	400	11,000	
Barges	200	100	300	7,500	
Gasoline	400		400	1,788	8,937
Total	700	400	1,100	20,288	8,937

Greatest draft of vessels entered or departed, 6 feet.

Gasoline launches using this harbor have a draft of 2 to 4 feet.

There are many gasoline launches with no registered tonnage which carry considerable freight to and from near-by points and of which no record is kept.

ZIPPEL BAY, MINN.

Comparative statement of traffic.

(Exclusive of rafted logs, etc.)

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1910	180	(1)		1916	427	$74,840	2,665
1911	420	(1)	3,650	1917	926	92,680	5,400
1912	620	$90,000	2,280	1918	177	23,760	4,550
1913	730	109,600	1,780	1919	410	133,172	5,400
1914	1,398	139,880	825	1920	420	63,400	2,250
1915	775	81,500	2,540	1921	1,258	11,045	2,250

(Additional traffic, towed in rafts.)

Year.	Logs, poles, and ties.	Value.	Year.	Logs, poles, and ties.	Value.
	Tons.			*Tons.*	
1913	3,600	$28,800	1918	2,700	$27,000
1914	22,900	183,200	1919	4,178	33,425
1915	(1)		1920	650	5,980
1916	(1)		1921	619	5,325
1917	(1)				

[1] No record available.

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ZIPPEL BAY, MINN.—continued.

[Navigation season: Opened May 3, closed Nov. 8, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	*Cents.*
Beef		2	2	$640	$640	25	0.12
Vegetable food products			21		1,275		
Flour		15		1,125		25	.12
Feed		6		150		25	.12
Nonmetallic minerals			13		312		
Brick		2		30		25	.12
Cement and plaster		6		90		25	.12
Oils		4		180		25	.20
Salt		1		12		25	.12
Unclassified		5	5	500	500	25	.12
Total receipts, internal		41	41		2,727		
SHIPMENTS, INTERNAL.							
Animals and animal products:							
Fish		10	10	1,800	1,800	25	[1] .40
Vegetable food products:							
Potatoes		7	7	188	188	25	.12
Wood and wood products			1,819		11,655		
Lumber		15		250		25	.10
Pulp wood	1,160			5,800		25	.10
Ties	25			280		25	.10
Posts (rafted)	375			2,250			([2])
Poles (rafted)	94			1,875			([2])
Piles (rafted)	150			1,200			([2])
Total shipments, internal	1,804	32	1,836		13,643		
Total receipts and shipments	1,804	73	1,877		16,370		

[1] Includes icing. [2] Rate unknown.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products	2	$640	10	$1,800	12	$2,440
Vegetable food products	21	1,275	7	188	28	1,463
Wood and wood products			1,819	11,655	1,819	11,655
Nonmetallic minerals	13	312			13	312
Unclassified	5	500			5	500
Total	41	2,727	1,836	13,643	1,877	16,370

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ZIPPEL BAY, MINN.—continued.

Vessels arrived and departed, 1921.

Class.	American.	Foreign.	Total.	Net registered tonnage.
Steam	100	100	200	2,000
Barges	200		200	6,000
Gasoline	1,300		1,300	(1)
Total	1,600	100	1,700	8,000

(1) Unknown, not registered.

Greatest draft of vessels entered or departed, 6 feet.
Gasoline launches using this harbor have a draft of 2 to 4 feet.
Number of passengers entering and departing, 2,259.

BAUDETTE HARBOR, MINN.

Comparative statement of traffic.

Year.	Vessel traffic.		Towed in rafts.		Passengers.
	Tons.	Value.	Tons.	Value.	
1918	714	(1)	(1)	(1)	27,770
1919	61,055	$3,247,476	95,066	$860,582	63,092
1920	49,148	1,314,575	75,805	635,940	(1)
1921	41,188	1,443,199	68,514	834,129	47,120

1 No record.

[Navigation season: Opened Apr. 10, closed Nov. 12, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
IMPORTS.						
Animals and animal products		32		$5,900	(1)	(1)
Fish	10		$1,800			
Horses	15		3,000			
Cows	7		1,100			
Vegetable food products		78		18,100	(1)	(1)
Berries (blue)	63		12,600			
Potatoes	15		500			
Wood and wood products		8,337		113,431	(1)	(1)
Lumber	43		717			
Logs (rafted)	7,500		100,000			
Poles (rafted)	794		12,714			
Unclassified	500	500	25,000	25,000	(1)	(1)
Total imports		8,947		157,431		
EXPORTS.						
Vegetable food products		45		2,500	(1)	(1)
Flour	25		2,000			
Feed	20		500			
Total exports		45		2,500		
Total imports and exports		8,992		159,931		

(1) Distance and rate unknown.

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BAUDETTE HARBOR, MINN.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	*Cents.*
Animals and animal products			245		$44,200		
Fish		40		$7,200		40	[1] 0.25
Horses		135		27,000		20	.25
Cows		70		10,000		20	.30
Vegetable food products			701		18,350		
Berries (blue)		7		1,400			
Barley		41		850			
Flax		8		600		20	.15
Oats		80		2,000		20	.15
Wheat		30		1,000		20	.15
Hay		400		8,000		20	.15
Potatoes		135		4,500			
Textiles, wool		2	2	1,400	1,400	25	.14
Wood and wood products			60,606		727,847		
Lumber		386		6,432		25	.10
Logs (rafted) 25,000,000 feet board measure	37,500			500,000		(2)	
Poles (rafted) 50,000 pieces	6,250			100,000		(2)	
Posts (rafted) 364,434 pieces	9,111			36,443		(2)	
Piling (rafted) 550 pieces	206			2,970		(2)	
Pulp wood (rafted) 420 cords	840			4,200		(2)	
Ties (rafted) 111,146 pieces	6,313			77,802		(2)	
Nonmetallic minerals: Gravel	13,333		13,333	10,000	10,000	20	.10
Unclassified		4,500	4,500	225,000	225,000	(2)	
Total receipts, internal	73,553	5,834	79,387		1,026,797		
SHIPMENTS, INTERNAL.							
Animals and animal products			172		30,800		
Horses		100		20,000		20	.25
Cows		72		10,800		20	.20
Vegetable food products			405		22,500		
Flour		225		18,000		20	.15
Feed		180		4,500		20	.15
Unclassified		20,746	20,746	1,037,300	1,037,300	(2)	(2)
Total shipments, internal		21,323	21,323		1,090,600		
Total receipts and shipments	73,553	27,157	100,710		2,117,397		

[1] Includes icing. [2] Distance and rate unknown.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	32	$5,900			245	$44,200	172	$30,800	449	$80,900
Vegetable food products	78	13,100	45	$2,500	701	18,350	405	22,500	1,229	56,450
Textiles					2	1,400			2	1,400
Wood and wood products	8,337	113,431			60,606	727,847			68,934	841,278
Nonmetallic minerals					13,333	10,000			13,333	10,000
Unclassified	500	25,000			4,500	225,000	20,746	1,037,300	25,746	1,287,300
Total	8,947	157,431	45	2,500	79,387	1,026,797	21,323	1,090,600	109,702	2,277,328

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BAUDETTE HARBOR, MINN.—continued.

Vessels arrived and departed, 1921.

Class.	American.	Net registered tonnage.	Foreign.	Net registered tonnage.	Total.	Total registered tonnage.
Steam	8	172	66	2,028	74	2,200

There were 67 undocumented vessels which made 5,112 trips during the season. These were principally gasoline launches of light draft of from 2 to 4 feet. No registered tonnage.

Greatest draft of vessels entered or departed about 6 feet.

MILWAUKEE, WIS., DISTRICT.

MANISTIQUE HARBOR, MICH.

Comparative statement of traffic.

Year.	General vessel traffic.		Car-ferry traffic.		Passengers.
	Tons.	Value.	Tons.	Value.	
1909	74,660	$900,322	183,998	$5,956,990	28
1910	86,104	921,950	185,000	5,950,000	130
1911	79,606	796,735	198,968	4,606,100	225
1912	79,881	715,900	208,000	4,683,000	250
1913	34,258	414,800	220,155	4,880,000	700
1914	44,265	612,422	207,031	4,078,455	1,200
1915	20,222	252,627	273,291	3,460,161	160
1916	24,452	375,742	329,322	7,114,948	427
1917	16,608	357,723	425,705	12,082,151	(1)
1918	10,769	311,889	438,060	16,035,000	1,593
1919	6,580	157,500	378,868	13,900,000	250
1920	1,535	108,100	304,745	16,514,100	500
1921	19,265	145,900	229,880	9,905,000	551

[1] No statistics available.

[Navigation season: Opened Jan. 1, closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

(Car-ferry traffic not included.)

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animal and animal products: Fish, fresh	.....	35	35	$7,100	$7,100	*Miles.* 17	(1)
Nonmetallic minerals: Coal, soft	16,130	.....	16,130	82,600	82,600	442	$0.00226
Total	16,130	35	16,165	.....	89,700	.....	.....
SHIPMENTS, INTERNAL.							
Wood and paper: Lumber	3,100	.....	3,100	56,200	56,200	300	.0162
Total receipts and shipments	19,230	35	19,265	.....	145,900	.....	.....

[1] No rate; local catch.

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MANISTIQUE HARBOR, MICH.—continued.

DOMESTIC—Continued.

(Via car ferry.[1])

Commodities.	Amounts in short tons.[2]	Value.
RECEIPTS, INTERNAL.		
Coal	50,112	$426,000
Unclassified	17,680	2,390,000
Total	67,792	2,816,000
SHIPMENTS, INTERNAL.		
Flour	810	69,000
Lumber	40,846	1,020,000
Unclassified	120,432	6,000,000
Total	162,088	7,089,000
Total receipts and shipments	229,880	9,905,000

	Number and dead weight, cars.	
	Number.	Short tons.
Received:		
Empty cars	2,807	47,719
Loaded cars	1,724	24,136
Total	4,531	71,855
Shipped:		
Empty cars	571	9,707
Loaded cars	6,203	105,451
Total	6,774	115,158
Total received and shipped	11,305	187,013

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	35	$7,100
Wood and paper	3,100	55,200
Nonmetallic minerals	16,130	82,600
Total	19,265	145,900

[1] Average haul, 91 miles; average rate per ton-mile, about $0.0058.
[2] Exclusive of dead weight of cars.

Car ferry, short tons, 229,880; value, $9,905,000.

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.[1]
Registered (arrivals only):[2]			
Steamers	268	423,060	551
Unrigged	2	1,290	.....
Total	270	424,350	551

[1] Arrived and departed.
[2] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept. Departures equal arrivals.

The Ann Arbor Railroad Co operates a regular line of car-ferry steamers between his port and Frankfort, Mich., throughout the year.

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MENOMINEE HARBOR AND RIVER, MICH. AND WIS.

(INCLUDING MARINETTE, WIS.)

Comparative statement of traffic.

Year.	General vessel traffic.		Car-ferry traffic.		Passengers.
	Tons.	Value.	Tons.	Value.	
1909 [1]	202,166	$4,197,120	117,684	$951,650	5,864
1910	227,449	5,767,334	147,172	3,179,721	7,277
1911	170,640	1,807,090	135,863	3,446,850	5,000
1912	374,086	3,364,883	136,228	4,899,869	5,850
1913	347,141	3,694,401	123,059	5,700,673	7,250
1914	298,517	2,937,070	149,211	5,605,650	7,950
1915	278,632	2,235,120	178,585	6,150,653	2,871
1916	233,026	2,323,726	248,954	8,418,215	2,711
1917	187,939	3,235,355	382,374	12,537,477	2,375
1918	170,988	2,996,617	268,309	17,019,379	1,879
1919	156,438	1,508,950	278,203	11,488,200	1,000
1920	215,005	2,283,160	200,729	16,235,080	2,740
1921	190,300	1,384,200	282,470	20,035,000	3,329

[1] No statistics available prior to 1909.

[Navigation season: Opened Mar. 8, closed Dec. 21, 1921.]

Freight traffic, 1921.

DOMESTIC.

[Car-ferry traffic not included.]

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	*Cents.*
Animals and animal products			600		$36,340		
Fish, fresh		265		$22,340		13	(1)
Fish, salt		335		14,000		36	0.083
Vegetable food products			797		18,200		
Hay		627		12,500		39	.090
Potatoes		170		5,700		52	.127
Wood and paper			7,536		225,160		
Lumber	5,400			198,000		72	.0297
Poles and posts	1,370			18,300		128	.0196
Ties, railroad	626			7,500		122	.0328
Wood, excelsior bolts	140			1,360		72	.028
Nonmetallic minerals			173,644		816,300		
Cement		3,126		35,800		200	.0043
Coal, hard	17,145			199,200		707	.00109
Coal, soft	103,201			529,600		540	.00142
Sand and gravel	20,000			12,000		10	.030
Stone, crushed	13,172			17,600		22	.0294
Stone, lime	17,000			21,100		260	.0019
Unclassified		573	573	72,000	72,000	60	.108
Total	178,054	5,096	183,150		1,168,000		
SHIPMENTS, INTERNAL.							
Wood and paper			5,680		71,250		
Lumber	5,340			70,000		229	.0122
Wood (hardwood slabs)	340			1,250		80	.0178
Nonmetallic minerals			316		4,950		
Cement		220		2,750		19	.092
Salt		96		2,200		35	.050
Unclassified		1,154	1,154	140,000	140,000	35	.193
Total	5,680	1,470	7,150		216,200		
Total receipts and shipments	183,734	6,566	190,300		1,384,200		

[1] No rate; local catch.

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MENOMINEE HARBOR AND RIVER, MICH. AND WIS.—continued.

[Via car ferry.[1]]

Commodities.	Amount in short tons.[2]	Value.
RECEIPTS, INTERNAL.		
Coal	49,824	$424,000
Unclassified	100,516	13,500,000
Total	150,340	13,924,000
SHIPMENTS, INTERNAL.		
Flour	8,127	691,000
Lumber	57,642	1,440,000
Unclassified	66,361	3,980,000
Total	132,130	6,111,000
Total receipts and shipments	282,470	20,035,000

	Number and dead weight, cars.	
	Number.	Short tons.
Received:		
Empty cars	567	9,639
Loaded cars	4,904	83,368
Total	5,471	93,007
Shipped:		
Empty cars	1,212	20,604
Loaded cars	5,070	86,190
Total	6,282	106,794
Total received and shipped	11,753	199,801

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	690	$36,340
Vegetable food products	797	12,200
Wood and paper	12,216	208,410
Nonmetallic minerals	173,960	821,250
Unclassified	1,727	212,000
Total	190,300	1,384,200

[1] Average haul, 80 miles; average rate per ton-mile, about $0.0066.
[2] Exclusive of dead weight of cars.

Car ferry, short tons, 282,470; value, $20,035,000.

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.[1]
Registered (arrivals only):[2]			
Steamers	540	567,923	3,339
Sailing and unrigged	13	9,851	.....
Total	553	577,774	3,339

[1] Arrived and departed.
[2] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept. Departures equal arrivals.

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The Ann Arbor Railroad Co. operated a regular line of car ferries between Menominee and Frankfort, Mich., during the navigation season.

The Hill Steamboat Line operated a regular line of package freight steamers between this and other Green Bay ports three days a week during the navigation season.

OCONTO HARBOR, WIS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889	179,812	$320,000	(1)	1906	5,725	(1)	(1)
1890	151,100	975,000	(1)	1908	308	(1)	(1)
1891	89,706	(1)	(1)	1912	376	$15,661	1,100
1892	233,885	3,653,500	(1)	1913	312	7,970	330
1893	557,743	992,100	(1)	1914	2,811	94,515	250
1895	75,205	1,788,450	(1)	1915	3,400	169,330	(1)
1896	161,091	1,926,875	(1)	1916	5,292	335,120	(1)
1897	116,253	676,000	(1)	1917	7,373	1,472,141	(1)
1900	74,272	1,476,482	(1)	1918	4,177	943,415	(1)
1902	50,433	(1)	(1)	1919	1,932	74,720	(1)
1903	43,003	(1)	(1)	1920	1,470	58,950	(1)
				1921	755	34,760	0

[1] No statistics available; also none available for years omitted.

[Navigation season: Opened Apr. 1, closed Dec. 10, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	
Fish, fresh	.....	373	373	$23,310	$23,310	9	(1)
Nonmetallic minerals: Salt	.....	267	267	5,700	5,700	86	$0.029
Total	.....	640	640	.....	29,010	.....	.....
SHIPMENTS, INTERNAL.							
Animals and animal products:							
Fish, fresh	.....	115	115	5,750	5,750	30	.167
Total receipts and shipments	.....	755	755	.....	$34,760	.....	.....

[1] No rate; local catch.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	488	$29,060
Nonmetallic minerals	267	5,700
Total	755	34,760

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OCONTO HARBOR, WIS.—continued.

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.[1]
Registered (arrivals only): Steamers [2]	16	212	0

[1] Arrived and departed.
[2] No unregistered craft; no records kept for about 30 local gasoline fishing tugs. Departures equal arrivals.

No boat line operates regularly to this port.
The usual limit of draft for fishing and other small boats using the harbor is 7.5 feet.

GREEN BAY HARBOR, WIS.

CITY OF GREEN BAY.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889	157,521	(1)	(1)	1907	838,384	(1)	(1)
1890	174,886	(1)	(1)	1908	659,077	(1)	(1)
1891	216,205	(1)	(1)	1909	686,313	$4,584,890	9,400
1892	220,008	(1)	(1)	1910	977,590	5,369,787	10,250
1894	391,372	(1)	(1)	1911	751,326	7,669,500	10,000
1896	563,292	(1)	(1)	1912	748,148	7,744,230	8,750
1898	392,718	$5,450,600	(1)	1913	863,439	10,748,461	8,300
1899	421,384	12,000,000	(1)	1914	898,008	9,974,607	10,750
1900	517,272	12,000,000	(1)	1915	821,106	8,381,041	1,450
1901	1,159,926	(1)	(1)	1916	858,435	5,514,043	3,011
1902	1,135,498	(1)	(1)	1917	971,335	8,622,141	2,625
1903	1,387,806	(1)	(1)	1918	1,090,992	8,035,905	417
1904	1,524,214	(1)	(1)	1919	966,435	7,913,430	24
1905	1,674,730	(1)	(1)	1920	1,127,774	10,678,140	2,877
1906	957,479	(1)	(1)	1921	1,132,450	10,746,900	926

[1] No statistics available; also none available for years omitted.

[Navigation season: Opened Mar. 27, closed Dec. 2, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Pulp wood (barged)	3,600	3,000	$18,600	$18,600

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GREEN BAY HARBOR, WIS.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
						Miles.	
Animals and animal products:							
Fish, fresh	.....	1,103	1,103	$47,300	$47,300	14	(1)
Wood and paper: Pulp wood (rafted)	39,900	.....	39,900	247,400	247,400	115	$0.0079
Nonmetallic minerals	.....	.....	869,105	.....	8,182,000	.....	.....
Cement	.....	2,540	.....	33,200	.....	176	.0114
Coal, hard	93,323	.....	.....	1,119,900	.....	759	.00075
Coal, soft	678,140	.....	.....	4,116,300	.....	593	.00099
Gasoline	57,860	.....	.....	2,867,000	.....	268	.00335
Kerosene	28,100	.....	.....	526,500	.....	268	.00331
Salt	.....	345	.....	7,200	.....	123	.020
Stone, crushed	8,797	.....	.....	11,900	.....	40	.0125
Unclassified	.....	1,722	1,722	320,000	320,000	60	.13
Total	906,120	5,710	911,830	.....	8,796,700	.....	.....
SHIPMENTS, INTERNAL.							
Vegetable food products	.....	.....	1,055	.....	266,600	.....	.....
Flour feed and grain	.....	305	.....	11,600	.....	80	.063
Groceries	.....	750	.....	255,000	.....	66	.103
Wood and paper: Pulp wood (barged)	5,440	.....	5,440	45,000	45,000	13	.058
Nonmetallic minerals	.....	.....	205,418	.....	1,438,300	.....	.....
Coal, hard	12,475	.....	.....	162,000	.....	57	.017
Coal, soft	192,313	.....	.....	1,258,300	.....	31	.023
Gasoline and kerosene	.....	630	.....	18,000	.....	82	.032
Unclassified	.....	1,272	1,272	160,000	160,000	66	.10
Total	210,228	2,957	213,185	.....	1,909,900	.....	.....
SHIPMENTS, INTRAPORT.							
Nonmetallic mineral: Coal, soft	4,435	.....	4,435	21,700	21,700	6	.042
Total receipts and shipments	1,120,783	8,667	1,129,450	.....	10,728,300	.....	.....

[1] No rate; local catch.

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic.				Total.	
			Internal.		Intraport.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	.....	.....	1,103	$47,300	.....	.....	1,103	$47,300
Vegetable food products	.....	.....	1,055	266,600	.....	.....	1,055	266,600
Wood and paper	3,000	$18,600	45,340	292,400	.....	.....	45,340	292,400
Nonmetallic minerals	.....	.....	1,074,523	9,620,300	4,435	$21,700	1,078,958	9,642,000
Unclassified	.....	.....	2,994	480,000	.....	.....	2,994	480,000
Total	3,000	18,600	1,125,015	10,706,600	4,435	21,700	1,132,450	10,746,900

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GREEN BAY HARBOR, WIS.—continued.

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.	Net registered tonnage.	Passengers.[1]
Registered (arrivals only):[2]					
Steamers	904	1	905	485,023	926
Unrigged	548	.....	548	68,372	.....
Total	1,452	1	1,453	553,395	926

[1] Arrived and departed.
[2] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept Departures equal arrivals.

The Hill Steamboat Line operated a regular line of steamers three days a week between the city of Green Bay and Green Bay ports throughout the navigation season.

CITY OF DEPERE, WIS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1909	28,458	$332,743	100	1916	38,908	$176,338	535
1910	32,859	472,900	275	1917	30,208	172,668	335
1911	29,419	172,785	100	1918	28,069	155,338	.....
1912	32,351	220,077	130	1919	21,307	115,470	.....
1913	46,161	228,379	125	1920	13,636	128,070	.....
1914	44,724	224,506	2,575	1921	18,802	132,520	.....
1915	34,068	154,536	(1)				

[1] No statistics available.

[Navigation season, opened Apr. 11, closed Nov. 21, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	
Nonmetallic minerals	.....	.....	14,296	.....	$109,620	.....	.....
Cement	.....	570	.....	$8,370	.....	317	$0.0079
Coal, hard	3,058	.....	.....	37,150	.....	769	.00163
Coal, soft	8,455	.....	.....	59,300	.....	575	.00217
Salt	.....	100	.....	1,750	.....	127	.0137
Stone, crushed	2,112	.....	.....	3,050	.....	47	.0136
Total	13,625	670	14,296	.....	109,620	.....	.....
SHIPMENTS, INTERNAL.							
Vegetable food products: Grain and feed	.....	72	72	1,200	1,200	262	.023
RECEIPTS, INTRAPORT.							
Nonmetallic minerals: Coal, soft	4,435	.....	4,435	21,700	21,700	6	.042
Total receipts and shipments	18,060	742	18,802	.....	132,520	.....	.....

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GREEN BAY HARBOR, WIS.—continued.

SUMMARY.

Classes of commodities.	Internal.		Intraport.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products	72	$1,200	.....	.....	72	$1,200
Nonmetallic minerals	14,295	109,620	4,435	$21,700	18,730	131,320
Total	14,367	110,820	4,435	21,700	18,802	132,520

	Foreign imports.		Domestic.				Total.	
			Internal.		Intraport.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Total Green Bay and Depere	3,000	$18,600	1,139,382	$10,817,420	4,435	$21,700	1,146,817	$10,857,720

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.[1]
Registered (arrivals only):[2]			
Steamers	21	8,699	.....
Unrigged	13	5,529	.....
Total	34	14,228	.....

[1] Arrived and departed.
[2] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept. Departures equal arrivals.

No regular boat line operates to Depere.

FOX RIVER, WIS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889	346,475	(1)	24,643	1905	263,589	(1)	66,174
1890	389,291	(1)	20,760	1906	316,040	(1)	61,592
1891	262,888	(1)	37,226	1907	288,732	(1)	42,788
1892	291,300	(1)	43,673	1908	255,589	(1)	35,156
1893	202,443	(1)	50,134	1909	215,118	$1,437,714	60,356
1894	290,624	(1)	23,704	1910	233,002	1,481,225	26,220
1895	229,109	(1)	45,595	1911	170,313	736,617	65,557
1896	148,110	(1)	22,576	1912	145,890	634,362	64,465
1897	191,236	(1)	29,616	1913	134,638	724,972	81,785
1898	217,745	(1)	36,183	1914	141,366	838,637	89,623
1899	230,081	(1)	32,819	1915	149,872	815,659	73,035
1900	309,800	(1)	34,415	1916	167,548	914,202	63,971
1901	263,720	(1)	36,179	1917	161,060	1,293,465	51,261
1902	265,298	(1)	57,399	1918	165,936	1,356,539	24,470
1903	300,307	(1)	72,820	1919	253,877	2,117,255	34,458
1904	281,353	(1)	43,276	1920	272,733	2,298,620	20,657
				1921	285,590	1,824,280	11,498

[1] No statistics available.

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FOX RIVER, WIS.—continued.

[Navigation season: Opened Apr. 11, closed Nov. 21, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND, INTERNAL.							
Animals and animal products:						*Miles.*	
Cheese		97	97	$38,800	$38,800	23	$0.086
Vegetable food products: Sugar beets	2,646		2,646	26,460	26,460	12	.086
Wood and paper: Pulp wood	5,440		5,440	54,400	54,400	13	.058
Nonmetallic minerals			236,512		1,569,650		
Cement		360		5,620		17	.053
Clay	10,674			5,930		13	.021
Coal, hard	12,475			181,000		57	.017
Coal, soft	192,313			1,346,000		31	.023
Sand and gravel	5,600			8,400		15	.060
Stone, crushed	15,090			22,700		27	.022
Ores, metals, and manufactures of: Steel, structural	500		500	30,000	30,000	27	.037
Unclassified		285	285	21,330	21,330	25	.080
Total	244,738	742	245,480		1,740,640		
DOWNBOUND, INTERNAL.							
Vegetable food products: Potatoes		125	125	6,230	6,230	23	.05
Wood and paper: Wood	1,232		1,232	6,160	6,160	47	.011
Nonmetallic minerals			38,623		58,160		
Sand and gravel	37,720			56,800		8	.063
Stone, crushed	903			1,360		24	.025
Unclassified		130	130	13,090	13,090	25	.085
Total	39,855	255	40,110		83,640		
Total upbound and downbound	284,593	997	285,590		1,824,280		

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	97	$38,800
Vegetable food products	2,771	32,690
Wood and paper	6,672	60,560
Nonmetallic minerals	275,135	1,627,810
Ores, metals, and manufactures of	500	30,000
Unclassified	415	34,420
Totals	285,590	1,824,280

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FOX RIVER, WIS.—continued.

Vessel classification, 1921.

Classes.	American.	Net registered. tonnage.	Passengers.[1]
Registered:[2]			
Steamers and motors	12	577	9,498
Unrigged	14	1,793	.....
Total	26	2,370	9,498

[1] Upbound and downbound.
[2] No records kept of about 200 to 300 gasoline pleasure boats operating on the river carrying about 2,000 passengers in addition to the 9,498 carried by registered vessels.

Three transportation companies operate vessels on the river.

STURGEON BAY AND LAKE MICHIGAN SHIP CANAL, WIS.

Comparative statement of traffic.

Year.	General vessel traffic.		Car-ferry traffic.		Total traffic.		Passengers.
	Tons.	Value.	Tons.	Value.	Tons.	Value.	
1889	(1)	(1)	(1)	(1)	421,875	(1)	(2)
1890	(1)	(1)	(1)	(1)	641,376	(1)	(2)
1892	(1)	(1)	(1)	(1)	790,335	$10,339,860	(2)
1893	(1)	(1)	(1)	(1)	724,554	11,412,796	9,388
1894	(1)	(1)	(1)	(1)	803,155	12,328,291	11,159
1895	(1)	(1)	(1)	(1)	810,970	12,171,904	10,989
1896	(1)	(1)	(1)	(1)	830,370	14,224,430	9,700
1897	(1)	(1)	(1)	(1)	948,605	14,110,690	8,893
1898	(1)	(1)	(1)	(1)	725,124	13,765,710	12,328
1899	(1)	(1)	(1)	(1)	898,384	17,289,961	14,098
1900	(1)	(1)	(1)	(1)	858,478	15,974,830	17,431
1901	(1)	(1)	(1)	(1)	906,138	22,469,102	16,241
1902	(1)	(1)	(1)	(1)	638,835	21,947,886	15,861
1903	(1)	(1)	(1)	(1)	604,798	18,936,372	18,627
1904	(1)	(1)	(1)	(1)	563,352	18,329,399	12,316
1905	(1)	(1)	(1)	(1)	617,210	21,034,469	14,899
1906	(1)	(1)	(1)	(1)	691,414	20,340,763	17,392
1907	(1)	(1)	(1)	(1)	789,883	21,011,696	11,913
1908	(1)	(1)	(1)	(1)	699,925	18,261,455	13,141
1909	(1)	(1)	(1)	(1)	741,712	17,926,985	19,149
1910	(1)	(1)	(1)	(1)	665,932	16,516,858	23,895
1911	(1)	(1)	(1)	(1)	571,773	13,074,061	20,426
1912	(1)	(1)	(1)	(1)	568,105	12,757,509	15,963
1913	(1)	(1)	(1)	(1)	548,660	12,331,535	14,641
1914	(1)	(1)	(1)	(1)	499,634	12,217,524	12,511
1915	(1)	(1)	(1)	(1)	539,695	11,956,223	8,777
1916	(1)	(1)	(1)	(1)	630,416	16,293,704	12,531
1917	(1)	(1)	(1)	(1)	720,803	23,228,344	8,074
1918	168,445	$4,539,615	267,929	$16,099,628	436,384	20,639,243	6,917
1919	124,142	3,232,930	242,188	11,296,640	366,330	14,529,570	8,759
1920	198,076	3,298,000	183,858	14,423,300	381,934	17,721,300	6,077
1921	297,330	3,888,950	282,470	20,035,000	579,800	23,923,000	7,524

[1] Division between general and car-ferry traffic unknown.
[2] No statistics available; also none available for year omitted.

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STURGEON BAY AND LAKE MICHIGAN SHIP CANAL, WIS.—continued.

[Navigation season: Opened Mar. 8, closed Dec. 27, 1921.]

Freight traffic, 1921.

DOMESTIC.

(Car-ferry traffic not included.)

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, LOCAL.						*Miles.*	*Cents.*
Animals and animal products			430		$74,880		
Fish, fresh		197		$33,880		15	(1)
Fish, salt		233		41,000		51	20.235
Vegetable food products: Fruit, fresh		720	720	153,500	153,500	28	.039
Wood and paper			1,200		25,500		
Lumber	600			22,800		22	.102
Wood	600			2,700		51	.020
Nonmetallic minerals			10,850		60,600		
Coal, soft	8,600			56,400		592	.00211
Salt		150		3,000		76	.0175
Sand	1,600			1,200		113	.0044
Unclassified		1,400	1,400	140,000	140,000	40	.103
Total	11,400	2,700	14,100		454,480		
SHIPMENTS, LOCAL.							
Vegetable food products: Hay		510	510	8,670	8,670	32	.078
Wood and paper: Lumber	135		135	5,130	5,130	30	.075
Nonmetallic minerals			173,790		176,500		
Cement		115		1,800		30	.0583
Coal, hard and soft	75			1,100		30	.075
Stone, crushed	173,600			173,600		110	.007
Unclassified		825	825	100,000	100,000	43	.140
Total	173,810	1,450	175,260		290,300		
Total local receipts and shipments	185,210	4,150	189,360		744,780		
THROUGH WESTBOUND, INTERNAL.							
Nonmetallic minerals			93,866		2,956,200		
Cement		760		9,750		176	.0112
Coal, soft	6,426			38,550		578	.00112
Gasoline	57,860			2,367,000		268	.00335
Kerosene	28,100			526,500		268	.00331
Salt		720		14,400		140	.018
Unclassified		174	174	22,000	22,000	225	.035
Total	92,386	1,654	94,040		2,978,200		
THROUGH EASTBOUND, INTERNAL.							
Wood and paper			6,649		96,260		
Lumber	5,950			93,000		255	.0119
Wood	699			3,260		110	.0128
Nonmetallic minerals			7,155		63,610		
Cement		4,695		61,000		374	.0089
Coal, screenings	960			960		680	.0006
Gravel	1,500			1,650		288	.0032
Unclassified		126	126	6,100	6,100	135	.045
Total	9,109	4,821	13,930		165,970		
Total through westbound and eastbound	101,495	6,475	107,970		3,144,170		
Total local and through	286,705	10,625	297,330		3,888,950		

[1] No rate; local catch.

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STURGEON BAY AND LAKE MICHIGAN SHIP CANAL, WIS.—continued.

DOMESTIC.[1]

(Via car ferry.)

Commodities.	Amount in short tons.[2]	Value.
THROUGH WESTBOUND, INTERNAL.		
Automobiles and parts	8,490	$6,792,000
Coal, hard and soft	45,210	384,000
Iron, manufactured	38,975	3,316,000
Salt	3,767	31,000
Unclassified	58,898	3,407,000
Total	150,340	13,924,000
THROUGH EASTBOUND, INTERNAL.		
Carriages	435	110,000
Flour	9,261	790,000
Grain	1,262	35,000
Iron, manufactured	1,660	140,000
Lumber	89,497	2,240,000
Mill stuff	2,278	45,000
Paper	1,620	285,000
Pulp, paper	1,000	50,000
Unclassified	25,117	2,416,000
Total	132,130	6,111,000
Total through westbound and eastbound	282,470	20,035,000

	Number and dead weight, cars.	
	Number.	Short tons.
Westbound:		
Empty cars	567	9,639
Loaded cars	4,904	83,368
Total	5,471	93,007
Eastbound:		
Empty cars	1,212	20,604
Loaded cars	5,070	86,190
Total	6,282	106,794
Total westbound and eastbound	11,753	199,801

[1] Average haul, 80 miles; average rate per ton mile, about $0.0066.
[2] Exclusive of deadweight of cars.

SUMMARY.

Classes of commodities.	Through internal.		Local.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			430	$74,880	430	$74,880
Vegetable food products			1,230	162,170	1,230	162,170
Wood and paper	6,649	$96,260	1,335	30,630	7,984	126,890
Nonmetallic minerals	101,021	3,019,810	184,140	237,100	285,161	3,256,910
Unclassified	300	28,100	2,225	240,000	2,525	268,100
Total	107,970	3,144,170	189,360	744,780	297,330	3,888,950

Car ferry, short tons, 282,470; value, $20,035,000.

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STURGEON BAY AND LAKE MICHIGAN SHIP CANAL, WIS.—continued.

Vessel classification, 1921

THROUGH AND LOCAL.

Classes.	American.	Net registered tonnage.	Passengers.[1]
Registered:[2]			
Steamers	1,431	1,167,611	7,524
Sailing	4	813	.....
Unrigged	138	121,156	.....
Total	1,573	1,289,580	7,524

[1] Arrived and departed; 1,611 local, 5,913 through.
[2] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept. Both east and west bound traffic is included.

The Ann Arbor Railroad Co. operated a regular line of car-ferry steamers through the canal between Menominee and Frankfort, Mich.

The Hill Steamboat Line operated a package freight steamer between the city of Sturgeon Bay and Green Bay ports.

ALGOMA HARBOR, WIS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889	37,349	$750,000	(1)	1906	[2] 142,667	(1)	(1)
1890	41,581	850,000	(1)	1907	[2] 159,559	(1)	(1)
1891	41,857	890,000	(1)	1908	[2] 165,098	$3,550,000	(1)
1892	[2] 27,046	1,510,000	(1)	1909	14,824	1,294,890	(1)
1893	[2] 31,591	1,664,325	(1)	1910	14,309	1,179,326	396
1894	[2] 29,713	1,780,000	(1)	1911	9,298	269,780	300
1895	[2] 204,501	(1)	(1)	1912	9,925	364,090	182
1896	221,828	1,364,618	(1)	1913	10,414	623,914	160
1897	38,248	1,693,200	(1)	1914	12,241	626,996	233
1898	[2] 58,257	1,780,500	(1)	1915	16,330	777,221	132
1899	[2] 57,970	2,175,325	(1)	1916	11,999	795,861	160
1900	[2] 147,437	2,300,000	(1)	1917	11,311	1,882,022	31
1901	76,119	1,600,000	(1)	1918	6,283	714,061	140
1903	[2] 117,743	(1)	(1)	1919	1,884	89,950	35
1904	[2] 300,094	(1)	(1)	1920	332	31,570	.....
1905	[2] 145,297	(1)	(1)	1921	1,055	30,850	.....

[1] No statistics available; also none available for year omitted. [2] By all ways of transportation.

[Navigation season, opened Jan. 1, 1921, closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animal and animal products:						*Miles.*	
Fish, fresh	.....	106	106	$26,550	$26,550	11	(1)
Wood and paper: Wood, cord	949	.....	949	4,300	4,300	39	$0.085
Total	949	106	1,055	.....	30,850	.....	.....

[1] No rate: local catch.

No shipments.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	106	$26,550
Wood and paper	949	4,300
Total	1,055	30,850

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ALGOMA HARBOR, WIS.—continued.

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.[1]
Registered (arrivals only):[2]			
Steamers	15	474	.....
Sailing	3	123	.....
Total	18	597	.....

[1] Arrived and departed.
[2] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept. Departures equal arrivals.

No regular boat line operates to this harbor.

KEWAUNEE HARBOR, WIS.

Comparative statement of traffic.

Year.	General vessel traffic.		Car-ferry traffic.		
	Tons.	Value.	Tons.	Value.	Passengers.
1910[1]	10,922	$823,722	141,093	$9,014,672	612
1911	10,507	2,028,825	133,077	6,110,725	500
1912	13,638	1,077,060	152,925	6,894,686	271
1913	8,657	791,777	163,459	8,422,843	352
1914	10,692	688,735	193,533	11,428,552	216
1915	7,930	631,778	188,984	7,836,747	187
1916	10,753	896,844	245,016	9,908,144	112
1917	8,933	2,215,809	181,070	9,482,105	518
1918	3,692	1,147,658	167,496	14,543,313	408
1919	728	194,640	183,175	16,334,960	500
1920	347	19,940	272,187	18,905,000	1,000
1921	1,100	28,400	191,102	11,946,000	90

[1] No statistics available. Division between general and car-ferry traffic unknown prior to 1910.

[Navigation season, opened Jan. 1; closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

(Car-ferry traffic not included.)

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	
Fish, fresh	.....	73	73	$15,980	$15,980	12	(1)
Wood and paper	.....	.....	437	.....	3,670	.....	.....
Lumber	47	.....	.....	1,000	.....	75	$0.023
Wood	390	.....	.....	2,670	.....	60	.0268
Nonmetallic minerals: Cement	.....	580	580	8,550	8,550	143	.014
Total	437	653	1,090	.....	28,200	.....	.....
SHIPMENTS, INTERNAL.							
Vegetable food products: Hay and oats	.....	10	10	200	200	143	.0245
Total receipts and shipments	437	663	1,100	.....	28,400	.....	.....

[1] No rate; local catch.

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KEWAUNEE HARBOR, WIS.—continued.

DOMESTIC.[1]

(Via car-ferry.)

Commodities.	Amount in short tons.[2]	Value.
RECEIPTS, INTERNAL.		
Coal	54,192	$460,000
Unclassified	39,832	5,380,000
Total	94,024	5,840,000
SHIPMENTS, INTERNAL.		
Flour	20,998	1,780,000
Grain	10,764	296,000
Lumber	12,428	310,000
Unclassified	52,988	3,720,000
Total	97,078	6,106,000
Total receipts and shipments	191,102	11,946,000

	Number and dead weight, cars.	
	Number.	Short tons.
Received:		
Empty cars	800	13,600
Loaded cars	2,661	45,237
Total	3,461	58,837
Shipped:		
Empty cars	845	14,365
Loaded cars	3,589	61,013
Total	4,434	75,378
Total received and shipped	7,895	134,215

[1] Average haul, 62 miles; average rate per ton mile, about $0.0085. [2] Exclusive of dead weight of cars.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	73	$15,980
Vegetable food products	10	200
Wood and paper	437	3,670
Nonmetallic minerals	580	8,550
Total	1,100	28,400

Car-ferry, short tons, 191,102; value, $11,946,000.

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.[1]
Registered (arrivals only): Steamers[2]	254	381,468	90

[1] Arrived and departed.
[2] No unregistered craft except fishing tugs and gasoline fishing boats, of which no records are kept. Departures equal arrivals.

The Ann Arbor Railroad Co. operates a regular line of car-ferry steamers between Kewaunee, Wis., and Frankfort, Mich.

No regular package freight line operated to this port during the year.

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TWO RIVERS HARBOR, WIS.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1889	110,647	$5,000,000	1906	35,425	(1)
1890	191,633	6,000,000	1907	63,580	(1)
1891	205,175	6,150,000	1908	58,315	$296,087
1892	400,212	9,248,000	1909	28,189	155,540
1893	516,926	6,200,000	1910	26,314	151,575
1894	192,047	5,471,040	1911	25,140	183,130
1896	50,099	(1)	1912	41,688	182,245
1897	62,200	(1)	1913	27,283	136,725
1898	3,586	(1)	1914	38,579	169,043
1899	112,720	(1)	1915	47,897	198,596
1900	219,597	(1)	1916	24,508	213,766
1901	214,307	(1)	1917	31,985	342,719
1902	20,200	(1)	1918	30,926	413,049
1903	108,273	(1)	1919	23,961	219,540
1904	122,846	(1)	1920	19,852	252,600
1905	38,500	(1)	1921	27,160	241,420

[1] No statistics available; also none available for years omitted.

Passengers carried, 500 in 1910 and 290 in 1916. No statistics available for other years.

[Navigation season, opened Jan. 1, closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	
Fish, fresh		363	363	$67,900	$67,900	16	(1)
Vegetable food products: Potatoes		63	63	2,340	2,340	90	$0.0295
Wood and paper: Wood	445		445	2,330	2,330	75	.0197
Nonmetallic minerals			26,289		168,850		
Coal, hard	5,320			63,840		754	.00133
Coal, soft	16,169			97,010		570	.00175
Stone, crushed	4,800			8,000		58	.0122
Total	26,734	426	27,160		241,420		

[1] No rate; local catch.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	363	$67,900
Vegetable food products	63	2,340
Wood and paper	445	2,330
Nonmetallic minerals	26,289	168,850
Total	27,160	241,420

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TWO RIVERS HARBOR, WIS.—continued.

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.[1]
Registered (arrivals only):[2]			
Steamers	24	13,244	.....
Unrigged	4	3,476	.....
Total	28	16,720	.....

[1] Arrived and departed.
[2] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept. Departures equal arrivals.

No regular line of steamers operates to this port.

MANITOWOC HARBOR, WIS.

Comparative statement of traffic.

Year.	General vessel traffic.		Car-ferry traffic.		Passengers.
	Tons.	Value.	Tons.	Value.	
1909[1]	370,826	$47,394,400	87,916	$2,304,600	1,750
1910	623,134	6,131,925	1,219,137	54,712,135	1,000
1911	361,193	4,195,930	1,076,036	61,527,300	1,500
1912	404,270	3,439,950	1,052,585	45,910,000	1,500
1913	540,808	4,077,330	1,360,257	68,728,050	1,500
1914	369,965	4,577,847	1,372,895	101,834,486	2,750
1915	420,021	5,139,543	1,166,787	53,367,738	1,620
1916	440,754	7,939,852	1,422,005	66,033,249	1,489
1917	430,325	10,855,424	1,451,811	84,607,076	780
1918	441,056	7,247,032	1,312,171	131,047,357	960
1919	490,210	4,566,650	1,281,160	88,426,660	3,300
1920	275,900	3,534,800	1,484,855	112,695,750	7,500
1921	398,077	4,302,020	1,218,255	71,362,000	3,456

[1] No passenger statistics available prior to 1909. Division between general and car-ferry traffic unknown prior to 1909.

[Navigation season; opened Jan. 1: closed Dec. 31, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Pulp wood	3,031	3,031	$121,240	$121,240
EXPORTS.				
Vegetable food products	.....	37,588	.....	822,440
Corn	27,524	.....	586,540	.....
Oats	10,064	.....	235,900	.....
Total imports and exports	.....	40,619	.....	943,680

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MANITOWOC HARBOR, WIS.—continued.

DOMESTIC.

(Car-ferry traffic not included.)

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	
Fish, fresh		28	28	$5,500	$5,500	10	(1)
Wood and paper			713		4,200		
Lumber	100			1,750		105	$0.0238
Wood	613			2,450		104	.0115
Nonmetallic minerals			314,647		2,117,080		
Coal, hard	49,912			568,500		757	.00099
Coal, soft	254,997			1,529,980		583	.00094
Salt		138		2,760		74	.0226
Stone, crushed	9,600			15,840		65	.0100
Total	315,222	166	315,388		2,126,780		
SHIPMENTS, INTERNAL.							
Vegetable food products			42,070		1,231,560		
Corn	16,940			360,990		757	.000885
Mill stuffs		496		29,760		63	.0556
Oats	11,264			264,030		701	.001797
Vinegar		110		6,600		73	.04425
Wheat	13,260			570,180		757	.00077
Total	41,464	606	42,070		1,231,560		
Total receipts and shipments	356,686	772	357,458		3,358,340		

[1] No rate; local catch.

DOMESTIC.[1]

(Via car-ferry.)

Commodities.	Amount in short tons.[2]	Value.
RECEIPTS, INTERNAL.		
Ash, soda	27,915	$1,400,000
Automobiles	9,150	7,320,000
Coal	360,606	3,065,000
Iron and steel, manufactured	12,089	1,030,000
Lime and cement	15,151	182,000
Salt	28,908	238,000
Sand, stone, etc	15,947	28,000
Unclassified	155,705	21,018,000
Total	625,471	34,281,000
SHIPMENTS, INTERNAL.		
Dairy products	13,416	5,366,000
Flour and feed	71,004	6,032,000
Fruit and vegetables	5,587	560,000
Grain	28,840	794,000
Iron and steel, manufactured	8,020	682,000
Lumber	173,938	4,347,000
Machinery	3,072	354,000
Malt	17,236	913,000
Paper	14,157	2,478,000
Sand, stone, etc	64,743	113,000
Unclassified	192,771	15,442,000
Total	592,784	37,081,000
Total receipts and shipments	1,218,255	71,362,000

[1] Average haul, 70 miles; average rate per ton-mile, about $0.0076. [2] Exclusive of deadweight of cars.

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MANITOWOC HARBOR, WIS.—continued.

DOMESTIC—Continued.

	Number and dead-weight of cars.	
	Number.	Short tons.
Received:		
Empty cars	6,127	144,631
Loaded cars	20,395	491,746
Total	26,522	636,377
Shipped:		
Empty cars	7,458	527,321
Loaded cars	23,222	165,122
Total	30,680	692,443
Total received and shipped	57,202	1,328,820

SUMMARY.

Classes of commodities.	Foreign.				Domestic internal.	
	Imports.		Exports.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products					28	$5,500
Vegetable food products			37,588	$822,440	42,070	1,231,560
Wood and paper	3,031	$121,240			713	4,200
Nonmetallic minerals					314,647	2,117,080
Total	3,031	121,240	37,588	822,440	357,458	3,358,340

Car-ferry, 1,218,255 short tons valued at $71,362,000.

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.	Net registered tonnage.	Passengers.[1]
Registered (arrivals only):[2]					
Steamers	1,350	4	1,354	2,181,218	3,456
Unrigged	9		9	6,399	
Total	1,359	4	1,363	2,187,617	3,456

[1] Arrived and departed.
[2] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept. Departures equal arrivals.

The Pere Marquette Railway Co. and the Ann Arbor Railroad Co. operated regular lines of car-ferries from Manitowoc to Ludington and Frankfort, Mich., respectively.

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SHEBOYGAN HARBOR, WIS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889	204,382	(1)	(1)	1909	519,655	$7,661,250	700
1891	362,417	$13,080,510	(1)	1910	592,246	6,928,110	500
1892	338,967	5,236,511	(1)	1911	661,886	8,299,425	8,000
1894	223,967	(1)	(1)	1912	681,363	8,096,400	760
1895	282,831	(1)	(1)	1913	761,071	7,262,386	350
1898	1,544,936	(1)	(1)	1914	637,679	9,331,213	12,350
1901	1,238,677	(1)	(1)	1915	665,502	9,592,218	4,652
1902	1,295,718	(1)	(1)	1916	683,087	13,084,325	5,967
1903	1,351,042	(1)	(1)	1917	668,554	11,919,801	4,780
1904	5,725,749	(1)	(1)	1918	703,530	7,925,724	1,109
1905	436,915	(1)	(1)	1919	552,026	4,233,060	2,412
1906	542,337	(1)	(1)	1920	484,335	4,161,490	.....
1907	1,259,950	(1)	(1)	1921	436,903	3,795,740	.....
1908	616,832	(1)	(1)				

[1] No statistics available; also none available for years omitted.

[Navigation season, opened Jan. 1; closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	
Fish, fresh	.....	482	482	$66,170	$66,170	16	(1)
Vegetable food products	.....	.....	649	.....	64,200	.....	.....
Fruit, fresh	.....	637	.....	63,700	.....	65	$0.1231
Potatoes	.....	12	.....	500	.....	104	.0721
Wood and paper: Wood	2,080	.....	2,080	11,480	11,480	148	.0154
Nonmetallic minerals	.....	.....	427,488	.....	3,647,690	.....	.....
Cement	.....	2,217	.....	31,100	.....	293	.0132
Coal, hard	175,872	.....	.....	2,113,980	.....	777	.00075
Coal, soft	249,321	.....	.....	1,500,910	.....	610	.00092
Salt	.....	78	.....	1,700	.....	64	.0286
Total	427,273	3,426	430,699	.....	3,789,540	.....	.....
SHIPMENTS, INTERNAL.							
Nonmetallic minerals: Coal, screenings	6,204	.....	6,204	6,200	6,200	695	.00058
Total receipts and shipments	433,477	3,426	436,903	.....	3,795,740	.....	.....

[1] No rate; local catch.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	482	$66,170
Vegetable food products	649	64,200
Wood and paper	2,080	11,480
Nonmetallic minerals	433,692	3,653,890
Total	436,903	3,795,740

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SHEBOYGAN HARBOR, WIS.—continued.

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.[1]
Registered (arrivals only):[2]			
Steamers	111	212,181	None.
Sailing	3	345	None.
Total	114	212,526	.....

[1] Arrived and departed.
[2] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept. Departures equal arrivals.

No regular line of boats operates to this port.

PORT WASHINGTON HARBOR, WIS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889	57,629	$1,754,200	(1)	1906	49,454	(1)	(1)
1890	33,621	1,274,450	(1)	1907	50,037	(1)	(1)
1891	51,657	1,348,068	(1)	1908	32,988	(1)	(1)
1892	56,958	1,473,000	(1)	1909	5,988	$22,200	(1)
1893	130,357	2,296,000	(1)	1910	8,790	29,850	2,500
1894	105,101	2,120,000	(1)	1911	10,362	248,700	(1)
1895	81,903	2,345,000	(1)	1912	12,345	73,400	(1)
1896	71,427	2,020,000	(1)	1913	12,677	310,275	50
1897	81,467	2,392,000	(1)	1914	20,184	415,316	117
1898	70,260	2,040,000	(1)	1915	19,560	349,277	(1)
1899	23,391	811,360		1916	15,832	391,032	1,527
1900	53,756	1,700,600	(1)	1917	4,874	282,324	(1)
1901	76,480	815,000	(1)	1918	7,374	323,429	2,100
1902	65,789	(1)	(1)	1919	615	86,280	(1)
1903	57,101	(1)	(1)	1920	507	72,710	.....
1904	60,501	(1)	(1)	1921	482	64,800	.....
1905	68,007	(1)	(1)				

[1] No statistics available.

[Navigation season: Opened Jan. 1, 1921; closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	*Cents.*
Fish, fresh	.....	252	252	$62,170	$62,170	14	(1)
Wood and paper: Posts, cedar	190	.....	190	1,800	1,800	130	0.0231
Total	190	252	442	.....	63,970	.....	.....
SHIPMENTS, INTERNAL.							
Vegetable food products: Hay	.....	40	40	830	830	130	.0231
Total receipts and shipments	190	292	482	.....	64,800	.....	.....

[1] No rate; local catch.

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PORT WASHINGTON HARBOR, WIS.—continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	252	$62,170
Vegetable food products	40	830
Wood and paper	190	1,800
Total	482	64,800

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.
Registered [1] (arrivals only): [2] Steamers	4	120

[1] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.
[2] Departures equal arrivals.

No regular line of boats operates to this port.

MILWAUKEE HARBOR, WIS.

Comparative statement of traffic.

Year.	General vessel traffic.			Car-ferry traffic.			Total passengers.
	Tons.	Value.	Passengers.	Tons.	Value.	Passengers.	
1909	(1)	(1)	(2)	(1)	(1)	(2)	136,079
1910	(1)	(1)	(2)	(1)	(1)	(2)	135,000
1911	6,544,519	$87,561,110	(2)	1,067,772	$32,092,625	(2)	137,934
1912	6,712,505	97,336,350	(2)	1,067,122	31,895,500	(2)	140,332
1913	7,496,923	104,848,000	(2)	1,150,307	35,886,750	(2)	150,000
1914	7,536,718	120,455,167	(2)	948,111	32,415,732	(2)	250,000
1915	7,326,100	130,928,955	(2)	793,775	19,419,966	(2)	120,000
1916	6,656,980	211,172,689	(2)	1,268,508	55,982,962	(2)	225,000
1917	5,855,089	256,195,500	(2)	965,775	53,387,400	(2)	231,900
1918	5,726,749	178,689,175	(2)	1,359,801	183,875,693	(2)	198,717
1919	5,248,850	135,321,100	(2)	1,759,350	184,758,200	(2)	130,342
1920	4,075,466	90,965,900	158,220	1,685,103	125,416,000	4,240	162,460
1921	5,011,520	111,513,800	143,130	1,419,627	90,147,000	5,812	148,942

[1] No statistics available.
[2] Division between general and car-ferry traffi unknown.

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MILWAUKEE HARBOR, WIS.—continued.

Freight traffic, 1921.

[Navigation season: Opened Jan. 1, 1921: closed Dec. 31, 1921.]

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products		33,111		$5,100,830
Coffee	7,240		$1,737,600	
Sugar	25,871		3,363,230	
Textiles: Twine, binder	3,342	3,342	952,470	952,470
Wood and paper: Wood pulp	4,222	4,222	128,900	128,900
Unclassified	22,827	22,827	4,565,400	4,565,400
Total		63,502		10,747,600
EXPORTS.				
Vegetable food products		557,352		16,299,700
Corn	318,957		7,062,600	
Flour	14,160		1,227,700	
Mill feed	54,278		1,031,300	
Oats	29,672		649,100	
Rye	17,080		579,500	
Wheat	123,205		5,749,500	
Textiles: Wool	1,045	1,045	627,000	627,000
Unclassified	2,437	2,437	487,400	487,400
Total		560,834		17,414,100
Total imports and exports		624,336		28,161,700

DOMESTIC.

(Car-ferry traffic not included.)

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	*Cents.*
Fish, fresh		2,879	2,879	$575,800	$575,800	18	[1]
Vegetable food products: Fruits and vegetables		1,113	1,113	100,160	100,160	97	0.1031
Wood and paper			4,790		52,460		
Lumber	2,705			40,200		575	.00525
Posts, fence	456			2,880		275	.01363
Ties, railroad	1,179			7,580		288	.00945
Wood	450			1,800		230	.010
Nonmetallic minerals			3,767,105		27,222,420		
Cement		43,252		634,980		292	.0103
Coal, hard	1,023,642			12,306,300		823	.00072[9]
Coal, soft	2,574,074			13,771,300		650	.000923
Salt	26,903	4,134		256,900		241	.00498
Sand	44,000			50,520		46	.01717
Stone, crushed and flux	51,100			112,420		118	.00836
Ores, metals and manufactures of: Ore, iron	22,958		22,958	120,760	120,760	192	.00234
Machinery and vehicles: Automobiles		1,845	1,845	984,000	984,000	623	.032
Unclassified		135,974	135,974	27,194,800	27,194,800	89	.082
Total	3,747,467	189,197	3,936,664		56,250,400		

[1] No rate; local catch.

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MILWAUKEE HARBOR, WIS.—continued.

DOMESTIC [1]—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTERNAL.						*Miles.*	*Cents.*
Vegetable food products			339,362		$9,773,850		
Barley	16,342			$476,630		830	0.00196
Corn	159,388			3,529,300		782	.00226
Mill feed	5,407			102,730		830	.0018
Oats	60,655			1,326,830		808	.00187
Rye	16,872			572,430		786	.00228
Wheat	80,698			3,765,930		830	.0021
Nonmetallic minerals			26,063		124,050		
Cement		2,660		39,050		93	.0323
Salt		500		6,670		49	.0203
Stone, rubble	22,903			78,330		23	.0196
Machinery and vehicles: Automobiles		231	231	231,000	231,000	623	.032
Unclassified		84,864	84,864	16,972,800	16,972,800	93	.0761
Total	362,265	88,255	450,520		27,101,700		
Total receipts and shipments	4,109,732	277,452	4,387,184		83,352,100		

(Via car ferry.)

Commodities.	Amounts in short tons.[2]	Value.
RECEIPTS, INTERNAL.		
Ash, soda, and chemicals	29,332	$1,465,000
Automobiles	9,969	7,975,000
Coal, hard	142,419	1,780,000
Coal, soft	253,778	1,587,000
Forest products	10,243	256,000
Fruit and vegetables	13,780	1,380,000
Iron and steel, manufactured	16,054	1,365,000
Lime and cement	11,044	132,000
Machinery	3,428	395,000
Salt	49,317	407,000
Sand, stone, and marble	7,201	12,000
Sugar	3,840	500,000
Unclassified	215,892	29,147,000
Total	766,297	46,401,000
SHIPMENTS, INTERNAL.		
Barley	10,827	316,000
Copper	1,029	196,000
Corn	39,372	872,000
Feed, bran, etc	35,264	670,000
Flour	95,344	8,270,000
Fruit and vegetables	10,836	1,085,000
Iron and steel, manufactured	78,674	6,687,000
Lumber and forest products	74,640	1,866,000
Machinery and implements	12,749	1,466,000
Malt	21,332	1,180,000
Meats, dressed	11,997	2,109,000
Oats	35,425	775,000
Rye	1,969	67,000
Sand, stone, etc	11,741	21,000
Wheat	10,827	505,000
Unclassified	201,294	17,720,000
Total	653,330	43,746,000
Total receipts and shipments	1,419,627	90,147,000

[1] Average haul, 91 miles; average rate per ton-mile about $0.0058.
[2] Exclusive of dead weight of cars.

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MILWAUKEE HARBOR, WIS.—continued.

DOMESTIC—Continued.

	Number and dead weight of cars.	
	Number.	Short tons.
Received:		
Empty cars	7,290	163,100
Loaded cars	27,269	725,379
Total	34,559	888,479
Shipped:		
Empty cars	9,596	224,745
Loaded cars	28,162	603,154
Total	37,758	827,899
Total received and shipped	72,317	1,716,378

SUMMARY.

Classes of commodities.	Foreign.				Domestic, internal.	
	Imports.		Exports.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair					2,879	$575,800
Vegetable food products	33,111	$5,100,830	557,352	$16,299,700	340,475	9,874,610
Textiles	3,342	952,470	1,045	627,000		
Wood and paper	4,222	128,900			4,790	52,460
Nonmetallic minerals					3,793,168	27,346,470
Ores, metals, and manufactures of					22,958	120,760
Machinery and vehicles					2,076	1,215,000
Unclassified	22,827	4,565,400	2,437	487,400	220,838	44,167,600
Total	63,502	10,747,600	560,834	17,414,100	4,387,184	83,352,100

	Short tons.	Value.
Car ferry	1,419,627	$90,147,000

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.	Net registered tonnage.	Passengers.[1]
Registered[2] (arrivals):[3]					
Steamers	3,501	13	3,514	5,788,266	148,942
Sailing	6		6	1,751	
Unrigged	94	1	95	49,545	
Total	3,601	14	3,615	5,839,562	148,942

[1] Arrived and departed; about 100,000 excursionists included only one way.
[2] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.
[3] Departures equal arrivals.

Regular package freight lines operating between Milwaukee and other ports as follows:

Goodrich Transit Co., to Racine and Chicago.

Chicago, Racine & Milwaukee line, to Racine and Chicago.

Pere Marguette line steamers, to Ludington and Manistee, connecting with motor boats to Pentwater, Arcadia, and Onekama.

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Crosby Transit Co., to Muskegon.
Tri-State Steamship Co., to Detroit and Cleveland.
Canada Atlantic Transit Co., to Depot Harbor, Canada.
Chicago Steamship Lines, to Chicago, Michigan City, Detroit, and Buffalo.
Total number of regular line steamers is 21.

The Pere Marquette Railway Co. operates regular daily car ferries to Ludington and the Grand Trunk Railway Co. to Grand Haven. They carried 1,690 and 4,122 passengers, respectively.

RACINE HARBOR, WIS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889	565,675	$13,212,614	(1)	1906	162,247	(1)	(1)
1890	1,848,311	14,514,698	(1)	1907	497,752	(1)	(1)
1891	2,199,775	15,936,614	(1)	1908	745,032	(1)	(1)
1892	2,638,063	19,143,443	(1)	1909	260,372	$17,196,250	2,450
1893	276,848	13,007,679	(1)	1910	205,798	8,463,050	750
1894	2,554,682	16,906,926	(1)	1911	197,667	6,855,400	7,500
1895	301,812	11,487,736	(1)	1912	223,496	7,599,700	964
1896	364,849	12,690,668	(1)	1913	247,737	7,639,250	957
1897	900,540	18,053,718	(1)	1914	221,125	6,197,979	1,422
1898	873,822	(1)	(1)	1915	247,441	7,000,797	6,261
1899	212,991	(1)	(1)	1916	267,761	10,055,513	7,950
1900	346,401	7,200,000	(1)	1917	247,153	17,845,840	8,065
1901	516,531	23,250,000	(1)	1918	265,664	17,544,214	3,111
1902	554,376	(1)	(1)	1919	233,804	10,670,860	2,269
1903	444,773	(1)	(1)	1920	204,690	9,967,250	532
1904	412,410	(1)	(1)	1921	242,551	5,000,750	673
1905	141,702	(1)	(1)				

[1] No statistics available.

[Navigation season: Opened Jan. 1, 1921; closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	*Cents.*
Fish, fresh		150	150	$44,740	$44,740	15	(1)
Vegetable food products			144		8,100		
Fruit, fresh		39		3,900		80	0.10
Potatoes		105		4,200		194	.0344
Wood and paper: Timber and piling	691		691	20,120	20,120	24	.1041
Nonmetallic minerals			223,171		1,284,110		
Coal, hard	36,581			441,170		829	.0012
Coal, soft	148,804			739,560		686	.0009
Stone, crushed	18,200			36,400		152	.0066
Stone, rubble	19,586			66,980		24	.019
Ores, metals, and manufactures of: Steel		127	127	5,080	5,080	24	.025
Unclassified		11,725	11,725	2,345,000	2,345,000	55	.126
Total	223,862	12,146	236,008		3,707,150		
SHIPMENTS, INTERNAL.							
Machinery and vehicles: Machinery, etc.		500	500	85,000	85,000	24	.025
Unclassified		6,043	6,043	1,208,600	1,208,600	55	.1362
Total		6,543	6,543		1,293,600		
Total receipts and shipments	223,862	18,689	242,551		5,000,750		

[1] No rate local catch.

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RACINE HARBOR, WIS.—continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	150	$44,740
Vegetable food products, oil seeds	144	8,100
Wood and paper	691	20,120
Nonmetallic minerals	223,171	1,284,110
Ores, metals, and manufactures of	127	5,060
Machinery and vehicles	500	85,000
Unclassified	17,768	3,553,600
Total	242,551	5,000,750

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.[1]
Registered[2] (arrivals only):[3]			
Steamers	736	860,560	673
Unrigged	13	9,941	0
Total	749	870,501	673

[1] Arrived and departed.
[2] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.
[3] Departures equal arrivals.

Regular package freight lines operated between Racine and other ports as follows: Chicago, Racine, and Milwaukee Line to Chicago and Milwaukee; Goodrich Transit Co. to Chicago and Milwaukee.

KENOSHA HARBOR, WIS.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889	43,400	$315,650	(1)	1906	55,812	(1)	(1)
1890	54,422	195,530	(1)	1908	58,545	(1)	(1)
1891	67,361	(1)	(1)	1909	84,525	$382,845	(1)
1892	48,566	(1)	(1)	1910	87,991	3,407,530	562
1893	76,794	800,000	(1)	1911	80,731	4,985,330	6,350
1894	47,622	(1)	(1)	1912	80,057	3,773,500	(1)
1895	50,930	1,131,000	(1)	1913	85,743	4,577,300	5,000
1896	71,697	925,000	(1)	1914	78,641	4,259,746	6,250
1897	83,972	1,900,000	(1)	1915	73,268	7,950,859	900
1898	100,997	1,300,000	(1)	1916	127,944	12,899,483	7,350
1899	119,503	1,700,000	(1)	1917	74,689	18,437,596	6,250
1900	98,399	1,950,000	(1)	1918	42,982	9,654,532	3,370
1901	134,678	2,500,000	(1)	1919	38,537	7,610,180	1,500
1904	45,991	(1)	(1)	1920	35,232	13,942,570	.....
1905	72,011	(1)	(1)	1921	25,589	3,815,700	.....

[1] No statistics available; also none available for years omitted.

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KENOSHA HARBOR, WIS.—continued.

[Navigation season: Opened Jan. 1, 1921; closed Dec. 31, 1921.]

Freight traffic.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	*Cents.*
Fish, fresh		47	47	$12,380	$12,380	15	(1)
Vegetable food products: Fruit, fresh		61	61	7,610	7,610	85	0.083
Wood and paper: Lumber	387		387	4,450	4,450	182	.0137
Nonmetallic minerals			13,100		90,260		
Coal, hard	3,299			44,310		846	.00122
Coal, soft	6,901			41,600		645	.0016
Sand	900			1,350		53	.0081
Stone, crushed and rubble	2,000			3,000		53	.0081
Machinery and vehicles: Automobiles		81	81	81,000	81,000	695	.0307
Unclassified [2]		7,014	7,014	1,578,150	1,578,150	53	.1132
Total	13,487	7,203	20,690		1,773,850		
SHIPMENTS, INTERNAL.							
Machinery and vehicles: Automobiles		570	570	570,000	570,000	680	.03145
Unclassified [3]		4,329	4,329	1,471,850	1,471,850	50	.120
Total		4,899	4,899		2,041,850		
Total receipts and shipments	13,487	12,102	25,589		3,815,700		

[1] No rate; local catch.
[2] Includes plumbing supplies, manila rope, rope supplies, groceries, etc.
[3] Includes brass fittings, leather, wire rope, etc.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	47	$12,380
Vegetable food products	61	7,610
Wood and paper	387	4,450
Nonmetallic minerals	13,100	90,260
Machinery and vehicles	651	651,000
Unclassified	11,343	3,050,000
Total	25,589	3,815,700

Vessel classification.

Classes.	American.	Net registered tonnage.
Registered [1] (arrivals only): [2] Steamers	393	207,634

[1] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.
[2] Departures equal arrivals.

The Hill Steamboat Line operated a regular package freight line between Kenosha, Waukegan, and Chicago.

The Tri-State Steamship Co. operated between Kenosha, Detroit, Cleveland, and Buffalo.

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WAUKEGAN HARBOR, ILL.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1898	66,002	(1)	(1)	1910	253,062	$2,535,925	34,500
1899	56,435	(1)	(1)	1911	213,925	2,085,220	9,000
1900	87,210	$1,499,400	(1)	1912	200,325	2,190,665	51,500
1901	110,429	1,106,000	(1)	1913	235,376	2,496,300	33,645
1902	35,695	(1)	(1)	1914	220,814	2,569,015	39,750
1903	195,732	(1)	(1)	1915	229,316	4,477,635	350
1904	220,391	(1)	(1)	1916	197,850	5,422,947	350
1905	206,484	(1)	(1)	1917	153,174	8,727,401	6,000
1906	202,199	(1)	(1)	1918	154,516	7,474,476	4,117
1907	384,986	(1)	(1)	1919	177,788	7,258,900	2,500
1908	217,009	(1)	(1)	1920	87,740	5,914,940	.....
1909	180,425	2,337,100	8,164	1921	141,700	4,277,150	.....

[1] No statistics available; also none available for years prior to 1898.

[Navigation season: Opened Jan. 1, 1921; closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	*Cents.*
Fish, fresh	.....	161	161	$36,230	$36,230	10	(1)
Vegetable food products: Fruit, fresh	.....	50	50	4,800	4,800	70	0.143
Nonmetallic minerals	.....	.....	132,123	.....	1,302,670	.....	.....
Coal, hard	83,217	.....	.....	998,600	.....	862	.0007
Coal, soft	45,947	.....	.....	275,680	.....	747	.0008
Salt	.....	2,959	.....	28,390	.....	141	.0116
Unclassified [2]	.....	6,893	6,893	2,067,900	2,067,900	37	.162
Total	129,164	10,063	139,227	.....	3,411,600	.....	.....
SHIPMENTS, INTERNAL.							
Unclassified [3]	.....	2,473	2,473	865,550	865,550	37	.122
Total receipts and shipments	129,164	12,533	141,700	.....	4,277,150	.....	.....

[1] No rate; local catch.
[2] Includes groceries, dairy products, building material, etc.
[3] Includes electric motors, building materials, leather, machinery, etc.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	161	$36,230
Vegetable food products	50	4,800
Nonmetallic minerals	132,123	1,302,670
Unclassified	9,366	2,933,450
Total	141,700	4,277,150

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WAUKEGAN HARBOR, ILL.—continued.

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.
Registered [1] (arrivals only): [2] Steamers	356	148,990

[1] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.
[2] Departures equal arrivals.

The Hill Steamboat Line operated a regular line of package freight steamers between Chicago, Waukegan, and Kenosha.

ST. JOSEPH HARBOR, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890	93,228	(1)	(1)	1906	115,839	(1)	20,372
1891	134,819	(1)	(1)	1907	78,044	(1)	5,952
1892	291,058	(1)	193,483	1908	145,913	$23,883,000	221,275
1893	231,410	(1)	189,275	1909	154,825	15,044,725	266,215
1894	290,879	(1)	(1)	1910	119,747	10,636,930	276,072
1895	459,465	(1)	(1)	1911	183,163	14,403,248	281,842
1896	625,640	(1)	140,000	1912	84,735	5,826,512	289,856
1897	395,769	(1)	(1)	1913	84,795	5,232,285	255,218
1898	527,782	(1)	(1)	1914	99,550	6,209,910	273,566
1899	240,109	(1)	21,000	1915	104,192	4,975,736	134,121
1900	154,241	(1)	25,000	1916	122,106	6,285,780	161,141
1901	121,819	(1)	(1)	1917	115,138	6,224,527	125,690
1902	188,545	(1)	31,000	1918	92,410	4,818,149	69,780
1903	127,872	(1)	33,500	1919	98,945	11,434,416	103,248
1904	97,036	(1)	24,703	1920	128,240	14,033,070	88,183
1905	118,412	(1)	23,377	1421	78,847	7,596,800	270,594

[1] No statistics available.

Freight traffic, 1921.

[Navigation season, opened Jan. 1, closed Dec. 31, 1921.]

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	*Cents.*
Fish, fresh		196	196	$48,360	$48,360	10	(1)
Vegetable food products: Food stuffs		504	504	73,100	73,100	61	0.182
Wood and paper			3,974		66,820		
Forest products	974			6,820		269	.015
Paper stock		3,000		60,000		61	.033
Nonmetallic minerals: Building materials		500	500	12,500	12,500	61	.028
Machinery and vehicles			890		677,500		
Automobiles		640		640,000		61	.115
Machinery		250		37,500		61	.131
Unclassified		6,088	6,088	2,222,120	2,222,120	61	.131
Total	974	11,178	12,152		3,100,400		

[1] No rate; local catch.

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ST. JOSEPH HARBOR, MICH.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTERNAL.						*Miles.*	*Cents.*
Vegetable food products			20,518		$2,103,660		
Fruit and vegetables		19,672		$2,065,560		61	0.131
Vinegar and pickles		846		38,100		61	.120
Textiles			360		653,900		
Hosiery, etc		300		585,900		61	.198
Overalls		60		68,000		61	.213
Wood and paper: Box, paper		129	129	38,700	38,700	61	.150
Nonmetallic minerals: Sand	40,500		40,500	15,500	15,500	63	.0095
Ores, metals, and manufactures of: Castings		1,462	1,462	168,140	168,140	61	.106
Machinery and vehicles: Automobiles		780	780	780,000	780,000	61	.115
Unclassified		2,946	2,946	736,500	736,500	61	.120
Total	40,500	26,195	66,695		4,496,400		
Total receipts and shipments	41,474	37,373	78,847		7,596,800		

ST. JOSEPH RIVER, MICH.

The only regular commerce in 1921 was on the lower 6 miles of the river. One small gasoline boat of 2 feet loaded draft carried 6,321 passengers up and 6,250 passengers down, and a small quantity of campers' outfits and supplies. About 40,000 cubic yards (54,500 tons) of sand and gravel valued at $24,000 were dredged for commercial use on the lower two or three miles of the river and delivered at St. Joseph Harbor on scows with draft of 5 to 6 feet.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	196	$48,360
Vegetable food products	21,022	2,176,760
Textiles	360	653,900
Wood and paper	4,103	105,520
Nonmetallic minerals	41,000	26,000
Ores, metals, and manufactures of	1,462	168,140
Machinery and vehicles	1,670	1,457,500
Unclassified	9,034	2,958,620
Total	78,847	7,596,800

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.[1]
Registered[2] (arrivals only):[3]			
Steamers	483	464,330	270,594
Sailing	1	115	
Total	484	464,445	270,594

[1] Arrived and departed.
[2] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.
[3] Departures equal arrivals.

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The Graham & Morton Transportation Co. operated a regular line of steamers between Chicago, Benton Harbor, St. Joseph, and Holland, Mich., during the navigation season.

The Roosevelt Steamship Co. operated one steamer between St. Joseph and Chicago during the navigation season, carrying passengers only.

The Benton Transit Co. operated a regular line of steamers between Benton Harbor and St. Joseph, and Chicago during the entire year.

The American Sand & Gravel Co. operated two boats which carried St. Joseph River sand from St. Joseph Harbor to various ports on Lake Michigan.

SOUTH HAVEN HARBOR, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889	37,230	(1)	(1)	1906	60,077	(1)	279,886
1890	8,099	(1)	(1)	1907	41,483	(1)	181,594
1891	28,719	(1)	(1)	1909	18,765	$4,423,000	(1)
1892	27,878	(1)	(1)	1909	14,763	1,324,780	145,225
1893	34,326	(1)	(1)	1910	16,446	929,886	156,540
1894	47,068	(1)	(1)	1911	19,244	1,269,428	150,326
1895	900,801	(1)	23,700	1912	24,452	1,448,771	155,311
1896	80,883	(1)	4,200	1913	24,563	1,235,501	156,216
1897	62,360	(1)	45,000	1914	21,489	2,275,831	141,064
1898	27,709	(1)	(1)	1915	27,435	1,818,645	79,303
1899	17,065	(1)	(1)	1916	35,048	2,354,814	111,381
1900	43,208	(1)	100,000	1917	19,913	1,722,879	91,631
1901	56,759	(1)	18,792	1918	16,079	1,403,886	17,229
1902	103,620	(1)	(1)	1919	22,499	3,247,687	33,518
1903	76,646	(1)	(1)	1920	14,955	3,766,480	17,426
1904	77,725	(1)	205,981	1921	21,179	1,816,850	77,938
1905	68,877	(1)	267,060				

[1] No statistics available.

[Navigation season: Opened Mar. 15, 1921; closed Dec. 24, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	*Cents.*
Fish, fresh		82	82	$25,400	$25,400	11	(1)
Nonmetallic minerals			10,800		15,600		
Sand	4,800			3,600		75	0.0067
Stone, crushed	6,000			12,000		182	.0055
Ores, metals and manufactures of: Steel, raw stock		100	100	10,000	10,000	78	.105
Unclassified			2,368		736,400		
Piano supplies		65		45,500		78	.147
Unclassified		2,303		690,900		78	.128
Total	10,800	2,550	13,350		787,400		
SHIPMENTS, INTERNAL.							
Vegetable food products			6,697		645,830		
Fruit, fresh		6,656		638,980		78	.125
Fruit, preserved		41		6,850		78	.100
Ores, metals, and manufactures of: Castings		156	156	26,520	26,520	78	.092
Unclassified			976		357,100		
Pianos		370		231,250		78	.180
Piano benches		19		8,450		78	.187
Unclassified		587		117,400		78	.140
Total		7,829	7,829		1,029,450		
Total receipts and shipments	10,800	10,379	21,179		1,816,850		

[1] No rate; local catch.

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SOUTH HAVEN HARBOR, MICH.—continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animal and animal products	82	$25,400
Vegetable food products	6,697	645,930
Nonmetallic minerals	10,800	15,600
Ores, metals, and manufactures of	256	36,520
Unclassified	3,344	1,093,500
Total	21,179	1,816,850

Vessel classification, 1921.

Classes.	American.	Net registered. tonnage.	Passengers.[1]
Registered[2] (arrivals only):[3]			
Steamers	265	150,266	77,938
Unrigged	1	915	.....
Total	266	151,181	77,938

[1] Arrived and departed.
[2] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.
[3] Departure equals arrivals.

The Chicago & South Haven Steamship Co. operated a regular line of steamers between Chicago and South Haven during the navigation season.

SAUGATUCK HARBOR AND KALAMAZOO RIVER, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889	6,275	$184,000	4,790	1907	5,690	(1)	(1)
1890	2,995	(1)	(1)	1908	4,885	$342,000	4,636
1891	19,415	(1)	(1)	1909	8,667	439,237	14,606
1893	45,840	(1)	(1)	1910	11,752	605,011	14,800
1894	8,627	(1)	(1)	1911	16,562	1,454,544	14,742
1895	23,525	(1)	(1)	1912	6,250	356,282	13,077
1896	47,735	(1)	7,850	1913	7,850	405,125	4,681
1897	5,016	(1)	(1)	1914	15,380	707,641	14,251
1898	22,062	(1)	(1)	1915	31,491	672,035	7,424
1899	13,710	(1)	(1)	1916	10,465	336,433	3,797
1900	12,606	(1)	(1)	1917	8,711	271,591	2,032
1902	11,843	(1)	(1)	1918	6,371	158,387	1,733
1903	12,591	(1)	(1)	1919	3,200	336,727	1,296
1904	10,558	(1)	(1)	1920	4,312	379,660	.....
1905	8,425	(1)	(1)	1921	4,513	123,000	.....
1906	21,500	(1)	(1)				

[1] No statistics available; also none available for years omitted.

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SAUGATUCK HARBOR AND KALAMAZOO RIVER, MICH.—Continued.

[Navigation season: Opened Apr. 6, 1921; closed Nov. 8, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	*Cents.*
Fish, fresh		15	15	$2,700	$2,700	2	(1)
Nonmetallic minerals			2,600		6,400		
Coal, soft	200			1,600		14	0.071
Stone crushed	2,400			4,800		170	.0059
Total	2,600	15	2,615		9,100		
SHIPMENTS, INTERNAL.							
Animals and animal products:							
Fish, fresh		11	11	3,300	3,300	14	.545
Vegetable food products: Fruit, fresh		1,887	1,887	110,600	110,600	14	.334
Total		1,898	1,898		113,900		
Total receipts and shipments	2,600	1,913	4,513		123,000		

[1] No rate; local catch.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	26	$6,000
Vegetable food products	1,887	110,600
Nonmetallic minerals	2,600	6,400
Total	4,513	123,000

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.
Registered [1] (arrivals only): [2]		
Steamers	141	5,364
Unrigged	1	915
Total	142	6,279

[1] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.
[2] Departures equal arrivals.

The Michigan Fruit Line operated one small steamer between Saugatuck, Holland, and Grand Haven during the navigation season.

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HOLLAND HARBOR, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889	6,061	(1)	25,070	1907	158,068	(1)	(1)
1890	86,308	(1)	(1)	1908	165,155	$53,480,000	86,700
1891	183,154	(1)	(1)	1909	70,233	11,445,418	66,000
1892	307,480	(1)	(1)	1910	87,567	14,769,197	59,017
1893	206,726	(1)	(1)	1911	145,801	23,194,270	56,295
1894	233,444	(1)	(1)	1912	34,392	5,649,381	79,749
1895	169,564	(1)	16,799	1913	38,344	5,146,867	77,678
1896	180,955	(1)	(1)	1914	34,074	4,352,237	66,206
1897	184,166	(1)	(1)	1915	30,426	4,264,538	48,106
1898	47,110	(1)	(1)	1916	36,832	5,561,250	61,475
1899	44,956	(1)	(1)	1917	42,390	6,767,160	43,422
1900	56,228	(1)	15,000	1918	21,154	3,156,745	36,233
1901	40,989	(1)	(1)	1919	46,091	8,782,700	47,769
1902	16,430	(1)	(1)	1920	28,096	9,978,368	35,418
1904	21,480	(1)	(1)	1921	20,946	3,928,000	52,368
1905	149,188	(1)	(1)				
1906	159,986	(1)	(1)				

[1] No statistics available; also none available for year.

[Navigation season: Opened Mar. 24, 1921; closed Dec. 11, 1921.]

Freight traffic.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
						Miles.	*Cents.*
Animals and animal products:							
Leather		65	65	$78,000	$78,000	100	0.130
Vegetable food products			2,032		130,000		
Fruit, fresh		1,851		108,300		14	.334
Groceries		181		21,700		98	.134
Wood and paper: Lumber	914		914	18,300	18,300	526	.0038
Nonmetallic minerals			9,000		16,500		
Sand	3,000			4,500		100	.010
Stone, crushed	6,000			12,000		160	.0062
Machinery and vehicles: Automobiles		633	633	633,000	633,000	100	.070
Unclassified		2,146	2,146	643,800	643,800	100	.070
Total	9,914	4,876	14,790		1,519,600		
SHIPMENTS, INTERNAL.							
Animals and animal products			357		444,600		
Leather		218		409,800		100	.130
Poultry, live		139		34,800		100	.134
Vegetable food products			2,492		272,900		
Celery		332		29,900		100	.100
Fruit and vegetables		2,077		207,700		100	.100
Rusks (biscuits)		83		35,300		100	.130
Wood and paper: Furniture		1,273	1,273	732,000	732,000	100	.159
Nonmetallic minerals: Coal	299		299	1,499	1,499	14	.071
Ores, metals, and manufactures of: Furnaces		133	133	36,600	36,600	100	.110
Machinery and vehicles: Automobiles		512	512	512,000	512,000	100	.070
Unclassified			1,189		408,900		
Pianos		136		98,000		100	.138
Unclassified		1,053		315,900		100	.070
Total	200	5,956	6,156		2,408,400		
Total receipts and shipments	10,114	10,832	20,946		3,928,000		

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HOLLAND HARBOR, MICH.—continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	422	$522,600
Vegetable food products, seeds	4,524	402,900
Wood and paper	2,187	750,300
Nonmetallic minerals	9,200	17,900
Ores, metals, and manufactures of	133	36,600
Machinery and vehicles	1,145	1,145,000
Unclassified	3,335	1,052,700
Total	20,946	3,928,000

Vessel classification.

Classes.	American.	Net registered tonnage.	Passengers.
Registered [2] (arrivals only): [3]			
Steamers	305	304,077	52,368
Sailing	1	684	.....
Total	306	304,761	52,368

[1] Arrived and departed.
[2] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.
[3] Departures equal arrivals.

The Graham & Morton Co. operated a regular line of steamers between Chicago and Holland during the navigation season.

The Michigan Fruit Line operated one small steamer between Holland, Saugatuck, and Grand Haven during the summer months.

GRAND HAVEN HARBOR, MICH.

Comparative statement of traffic.

Year.	General vessel traffic.			Car-ferry traffic.			Total passengers.
	Tons.	Value.	Passengers.	Tons.	Value.	Passengers.	
1908	(1)	(1)	(1)	(1)	(1)	(1)	104,941
1909	(1)	(1)	(1)	(1)	(1)	(1)	(2)
1910	(1)	(1)	(1)	(1)	(1)	(1)	67,605
1911	(1)	(1)	(1)	(1)	(1)	(1)	78,738
1912	(1)	(1)	(1)	(1)	(1)	(1)	86,550
1913	(1)	(1)	(1)	(1)	(1)	(1)	84,830
1914	210,170	$14,166,364	(1)	435,634	$35,165,309	(1)	74,930
1915	209,015	17,301,810	(1)	454,214	32,187,887	(1)	57,488
1916	173,535	16,160,141	(1)	543,666	44,926,596	(1)	75,170
1917	64,791	7,983,215	(1)	432,244	33,958,980	(1)	64,022
1918	29,774	2,733,514	25,936	513,760	42,697,873	2,909	28,845
1919	49,678	9,252,286	36,034	665,900	43,614,172	4,195	40,229
1920	58,404	9,049,920	30,960	690,836	66,982,000	2,760	33,720
1921	33,557	2,312,500	20,880	598,814	46,123,000	4,122	25,002

[1] Division between general and car-ferry traffic unknown.
[2] No statistics available.

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GRAND HAVEN HARBOR, MICH.—continued.

[Navigation season: Opened Jan. 1, 1921; closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

(Car-ferry traffic not included.)

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles*	*Cents.*
Fish, fresh		93	93	$23,750	$23,750	13	(1)
Other vegetable products: Tanning materials		61	61	22,880	22,880	108	0.105
Machinery and vehicles: Supplies, machine shop		300	300	24,000	24,000	108	.109
Unclassified			2,076		649,570		
Piano supplies		114		60,970		108	.117
Unclassified		1,962		588,600		108	.105
Total		2,530	2,530		720,200		
SHIPMENTS, INTERNAL.							
Animals and animal products: Leather		84	84	151,200	151,200	108	.127
Nonmetallic minerals: Sand and gravel	26,556		26,556	18,960	18,960	18	.041
Machinery and vehicles: Machinery		405	405	81,000	81,000	108	.126
Unclassified			3,982		1,341,140		
Pianos		326		290,140		108	.148
Refrigerators		409		76,900		108	.104
Unclassified		3,247		974,100		108	.092
Total	26,556	4,471	31,027		1,592,300		
Total receipts and shipments	26,556	7,001	33,557		2,312,500		

[1] No rate; local catch.

Statistics for the calendar year 1921.

DOMESTIC.[1]

(Via car ferry.)

Commodities.	Amount in short tons.[2]	Value.
RECEIPTS, INTERNAL.		
Flour and feed	43,487	$2,305,000
Grain	48,865	1,398,000
Iron and steel, manufactured	65,520	5,569,000
Lumber	13,098	327,000
Machinery	3,912	450,000
Malt	21,332	1,130,000
Meats, dressed	11,997	2,100,000
Unclassified	133,945	10,131,000
Total	342,156	23,408,000
SHIPMENTS, INTERNAL.		
Coal	94,190	800,000
Sugar	3,840	500,000
Unclassified	158,628	21,415,000
Total	256,658	22,715,000
Total receipts and shipments	598,814	46,123,000

[1] Average haul, 83 miles; average rate per ton-mile, about $0.0064. [2] Exclusive of dead weight of cars.

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GRAND HAVEN HARBOR, MICH.—continued.

DOMESTIC—Continued.

	Number and dead weight of cars.	
	Number.	Short tons.
Received:		
Empty cars	3,031	60,620
Loaded cars	14,599	291,980
Total	17,630	352,600
Shipped:		
Empty cars	3,830	76,600
Loaded cars	10,782	215,640
Total	14,612	292,240
Total received and shipped	32,242	644,840

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	177	$174,950
Other vegetable products	61	22,880
Nonmetallic minerals	26,556	18,960
Machinery and vehicles	705	105,000
Unclassified	6,058	1,990,710
Total	33,557	2,312,500

	Short tons.	Value.
Car ferry	598,814	$46,123,000

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.[1]
Registered [2] (arrivals only):[3]			
Steamers	1,154	1,597,385	25,002
Unrigged	198	11,181	.....
Total	1,352	1,608,566	25,002

[1] Arrived and departed.
[2] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.
[3] Departures equal arrivals.

The Grand Trunk Railway system operated two car ferries between Grand Haven and Milwaukee during the entire year.

The Goodrich Transit Co. operated a regular line of steamers between Grand Haven, Muskegon, and Chicago during the entire year.

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GRAND RIVER, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers
1896	46,848	(1)	(1)	1909	34,728	$22,965	(1)
1897	23,539	(1)	(1)	1910	48,928	33,110	(1)
1898	44,880	(1)	(1)	1911	49,718	68,407	5,104
1899	72,210	(1)	(1)	1912	41,984	91,284	5,988
1900	46,275	(1)	(1)	1913	62,822	91,546	5,132
1901	46,577	(1)	(1)	1914	49,555	166,139	5,176
1902	55,614	(1)	(1)	1915	55,143	117,084	4,509
1903	83,332	(1)	(1)	1916	49,495	64,079	2,767
1904	78,291	(1)	(1)	1917	44,203	61,301	3,546
1905	77,217	(1)	7,049	1918	44,160	28,150	(1)
1906	110,395	(1)	(1)	1919	38,985	32,584	(1)
1907	88,653	(1)	9,500	1920	56,250	65,009	.....
1908	25,913	(1)	(1)	1921	65,560	51,700	.....

[1] No statistics available.

[Navigation season: Opened Apr. 15, 1921: closed Dec. 1, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities (bulk).	Amount in short tons, by classes.	Value. By commodities.	Value. By classes.	Average haul.	Rate per ton-mile.
DOWNBOUND, INTERNAL.					*Miles.*	
Wood and paper: Logs	75	75	$500	$500	21	(1)
Nonmetallic minerals: Sand and gravel	65,485	65,485	51,200	51,200	.....	(2)
Total	65,560	65,560	51,700	51,700	.....	.....

[1] Floated down in rafts. [2] No rate; hauled in owner's boat.

SUMMARY.

Classes of commodities.	Tons.	Value.
Wood and paper	75	$500
Nonmetallic minerals	65,485	51,200
Total	65,560	51,700

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.
Registered: [1]		
Steamers	3	50
Untrigged	9	450
Total	12	500

[1] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept.

The Michigan Materials Co. and the I. Van Weelden Co. operated tugs and barges in the sand and gravel business on the lower 16 miles of the river during the navigation season.

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MUSKEGON HARBOR, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889	1,043,028	(1)	(1)	1906	136,340	(1)	(1)
1890	733,542	(1)	(1)	1907	100,194	(1)	(1)
1891	1,199,513	(1)	(1)	1908	115,269	$13,522,000	44,386
1892	833,290	(1)	(1)	1909	115,746	6,580,759	(1)
1893	1,715,532	(1)	(1)	1910	103,762	4,714,883	44,600
1894	741,598	(1)	(1)	1911	114,015	6,339,136	54,739
1895	332,409	(1)	(1)	1912	91,659	4,691,252	66,540
1896	295,841	(1)	(1)	1913	110,773	7,819,964	69,774
1897	524,454	(1)	(1)	1914	119,811	8,154,536	71,449
1898	214,146	(1)	(1)	1915	115,035	8,244,279	62,317
1899	833,963	(1)	(1)	1916	127,496	10,247,808	75,324
1900	268,123	(1)	(1)	1917	78,092	6,987,309	62,283
1901	176,368	(1)	(1)	1918	114,374	9,108,562	64,489
1902	227,013	(1)	(1)	1919	146,833	23,028,784	90,893
1903	174,353	(1)	(1)	1920	174,500	20,680,900	95,870
1904	157,109	(1)	(1)	1921	309,938	18,762,000	76,207
1905	238,721	(1)	(1)				

[1] No statistics available.

[Navigation season, opened Jan. 1, closed Dec. 31, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper		18,767		$148,300
Lumber	900		$13,570	
Pulp wood	17,867		134,730	
Total		18,767		$148,300

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	*Cents.*
Fish, fresh		92	92	$25,280	$25,280	10	(1)
Vegetable food products: Groceries		440	440	99,000	99,000	114	0.078
Textiles: Cotton, baled		600	600	240,000	240,000	118	.068
Wood and paper			39,610		298,110		
Lumber	1,998			16,110		189	.014
Pulp wood	37,612			282,000		430	.0034
Nonmetallic minerals			202,465		5,053,810		
Gasoline	102,127			4,332,660		126	.006
Kerosene	41,088			622,550		126	.006
Sand and gravel	29,250			43,100		32	.028
Stone, crushed	30,000			55,500		127	.0067
Machinery and vehicles: Supplies, foundry and machine shop		936	936	248,900	248,900	117	.085
Unclassified		22,420	22,420	6,726,000	6,726,000	90	.083
Total	242,075	24,488	266,563		12,691,100		

[1] No rate; local catch.

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MUSKEGON HARBOR, MICH.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTERNAL.						*Miles.*	*Cents.*
Textiles: Underwear, cotton		275	275	$213,100	$213,100	118	0.143
Wood and paper: Office equipment		915	915	408,420	408,420	100	.159
Ores, metals, and manufactures of			1,988		580,800		
Castings, iron and steel		1,516		243,320		117	.071
Wire, magnet		472		337,480		117	.089
Unclassified			21,430		4,720,280		
Billiard and bowling sundries		9,232		923,200		100	.124
Pianos		119		99,250		108	.157
Refrigerators		279		87,330		102	.135
Shade rollers		1,500		520,500		118	.096
Unclassified		10,300		3,090,000		101	.089
Total		24,608	24,608		5,922,600		
Total receipts and shipments	242,075	49,096	291,171		18,613,700		

SUMMARY.

Classes of commodities.	Foreign, imports.		Domestic, internal.	
	Tons.	Value.	Tons.	Value.
Animals and animal products			92	$25,200
Vegetable food products			440	99,000
Textiles			875	453,100
Wood and paper	18,767	$148,300	40,525	706,530
Nonmetallic minerals			202,465	5,053,810
Ores, metals, and manufactures of			1,988	580,800
Machinery and vehicles			936	248,900
Unclassified			43,850	11,446,280
Total	18,767	148,300	291,171	18,613,700

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.	Net registered tonnage.	Passengers [1]
Registered (arrivals only):[2]					
Steamers	797	1	798	501,860	76,207
Sailing	8		8	3,306	
Unrigged	236		236	57,517	
Total	1,041	1	1,042	562,683	76,207

[1] Arrived and departed.
[2] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats of which no records are kept.
Departures equal arrivals.

Regular package freight lines operated during the entire year between Muskegon and other ports as follows: Goodrich Transit Co. to Chicago and Grand Haven. Crosby Transportation Co. to Milwaukee.

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WHITE LAKE HARBOR, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889	10,157	(1)	(1)	1907	4,130	(1)	(1)
1890	70,075	(1)	(1)	1908	12,679	$475,000	12,000
1891	58,623	(1)	(1)	1909	11,580	286,822	15,000
1892	41,248	(1)	(1)	1910	21,084	204,076	12,000
1893	21,593	(1)	(1)	1911	16,583	2,672,771	12,750
1894	24,661	(1)	(1)	1912	14,893	296,123	13,707
1895	102,406	(1)	(1)	1913	11,078	263,855	15,906
1896	71,560	(1)	(1)	1914	10,695	351,260	16,302
1897	166,229	(1)	(1)	1915	10,071	335,941	11,675
1898	15,857	(1)	(1)	1916	7,063	253,930	15,139
1900	(1)	(1)	(1)	1917	4,621	361,130	12,181
1901	(1)	(1)	(1)	1918	3,202	180,271	9,240
1902	(1)	(1)	(1)	1919	503	442,884	10,951
1903	(1)	(1)	(1)	1920	313	49,150	9,897
1904	(1)	(1)	(1)	1921	1,840	106,650	12,966
1906	400	(1)	(1)				

[1] No statistics available; also none available for years omitted.

[Navigation season, opened May 10; closed Nov. 25, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
						Miles.	*Cents.*
Animals and animal products; fish, fresh		10	10	$2,360	$2,360	11	(1)
Nonmetallic minerals			1,525		2,890		
Gravel	325			490		30	0.020
Stone, crushed	1,200			2,400		118	.0085
Unclassified		222	222	66,600	66,600	120	.120
Total	1,525	232	1,757		71,850		
SHIPMENTS, INTERNAL.							
Animals and animal products; leather		7	7	12,000	12,000	120	.120
Unclassified		76	76	22,800	22,800	120	.105
Total		83	83		34,800		
Total receipts and shipments	1,525	315	1,840		106,650		

[1] No rate; local catch.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	17	$14,360
Nonmetallic minerals	1,525	2,890
Unclassified	298	89,400
Total	1,840	106,650

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WHITE LAKE HARBOR, MICH.—continued.

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.[1]
Registered (arrivals only):[2]			
Steamers	45	36,814	12,966
Sailing	2	230	.....
Unrigged	5	2,825	.....
Total	52	39,869	12,966

[1] Arrived and departed.
[2] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept. Departures equal arrivals.

The Goodrich Transit Co. operated a line of steamers between Chicago and White Lake summer resort points from June to September.

LUDINGTON HARBOR, MICH.

Comparative statement of traffic.

Year.	General vessel traffic.			Car-ferry traffic.			Total passengers.
	Tons.	Value.	Passengers.	Tons.	Value.	Passengers.	
1908	(1)	(1)	(2)	(1)	(1)	(2)	18,268
1909	(1)	(1)	(2)	(1)	(1)	(2)	26,135
1910	(1)	(1)	(2)	(1)	(1)	(2)	43,963
1911	(1)	(1)	(2)	(1)	(1)	(2)	43,653
1912	(1)	(1)	(2)	(1)	(1)	(2)	44,591
1913	(1)	(1)	(2)	(1)	(1)	(2)	41,562
1914	367,012	$18,618,236	(2)	1,143,425	$34,790,474	(2)	38,483
1915	459,454	16,804,669	(2)	1,321,875	40,354,368	(2)	29,940
1916	297,053	12,702,181	(2)	1,678,214	56,760,588	(2)	32,613
1917	302,709	12,703,502	(2)	1,460,016	59,381,250	(2)	25,132
1918	268,899	9,720,164	15,243	2,033,265	120,547,172	4,535	19,778
1919	292,447	22,686,460	24,880	1,996,426	148,626,785	5,901	30,781
1920	246,883	11,823,050	21,485	1,829,137	121,561,450	6,500	27,985
1921	215,803	9,601,800	22,175	1,614,460	91,202,000	4,385	26,560

[1] No statistics available. [2] Division between general and car-ferry traffic unknown.

[Navigation season, opened Jan. 1; closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

(Car-ferry traffic not included.)

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	*Cents.*
Fish, fresh	.....	79	79	$23,050	$23,050	7	(1)
Vegetable food products	.....	.....	7,045	.....	352,250	.....	.....
Corn and rye	.....	4,672	.....	233,600	.....	97	0.0087
Flour and mill stuffs	.....	933	.....	46,650	.....	86	.026
Oats	.....	1,440	.....	72,000	.....	97	.012

[1] No rate; local catch.

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LUDINGTON HARBOR, MICH.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL—contd.						*Miles.*	*Cents.*
Nonmetallic minerals			75,916		$280,330		
Coal	54,191			$243,860		538	0.0017
Sand[1]	6,125			8,390		130	.0077
Stone crushed[1]	15,600			28,080		76	.013
Machinery and vehicles: Automobiles		555	555	555,000	555,000	97	.063
Unclassified		7,625	7,625	1,639,370	1,639,370	103	.069
Total	75,916	15,304	91,220		2,850,000		
SHIPMENTS, INTERNAL.							
Vegetable food products			6,108		741,200		
Fruit, fresh		2,500		200,000		97	.124
Sugar		3,608		541,200		97	.021
Wood and paper: Furniture and furnishings		203	203	95,400	95,400	97	.129
Nonmetallic minerals: Salt	95,636	1,005	96,641	740,000	740,000	259	.0034
Ores, metals, and manufactures of: Stampings, steel		50	50	11,800	11,800	156	.063
Machinery and vehicles			757		686,200		
Automobiles		580		580,000		97	.063
Machinery and parts		177		106,200		97	.062
Unclassified		20,824	20,824	4,477,200	4,477,200	99	.038
Total	95,636	28,947	124,583		6,751,800		
Total receipts and shipments	171,552	44,251	215,803		9,601,800		

(Via car ferry.[2])

Commodities.	Amount in short tons.[3]	Value.
RECEIPTS, INTERNAL.		
Dairy products	16,972	$6,788,000
Flour and feed	144,733	12,302,000
Fruit and vegetables	16,423	1,645,000
Grain	72,393	1,990,000
Iron and steel, manufactured	21,174	1,800,000
Lumber and forest products	212,106	5,303,000
Machinery and implements	11,909	1,370,000
Malt	26,135	1,385,000
Paper	18,628	3,260,000
Sand, stone, etc	76,484	134,000
Unclassified	101,977	8,158,000
Total	718,934	44,135,000
SHIPMENTS, INTERNAL.		
Ash, soda	57,347	2,865,000
Automobiles	19,119	15,295,000
Coal and coke	493,125	4,199,000
Forest products	10,243	256,000
Fruit and vegetables	13,780	1,380,000
Iron and steel, manufactured	28,143	2,395,000
Lime and cement	26,195	314,000
Machinery	3,428	395,000
Salt	78,225	645,000
Sand, stone, etc	23,148	40,000
Unclassified	142,873	19,290,000
Total	895,526	47,067,000
Total receipts and shipments	1,614,460	91,202,000

[1] 1,725 tons sand, and 2,600 tons stone, used for repairs of south Government breakwater.
[2] Average haul, 80 miles; average rate per ton mile, about $0.0066.
[3] Exclusive of dead weight of cars.

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LUDINGTON HARBOR, MICH.—continued.

DOMESTIC—Continued.

	Number and dead weight of cars.	
	Number.	Short tons.
Received:		
Empty cars	11,357	283,925
Loaded cars	29,752	718,934
Total	41,109	1,002,859
Shipped:		
Empty cars	8,519	212,975
Loaded cars	30,655	895,626
Total	39,174	1,108,601
Total received and shipped	80,283	2,111,460

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	79	333,080
Vegetable food products	13,153	1,093,450
Wood and paper	203	95,400
Nonmetallic minerals	172,557	1,020,330
Ores, metals, and manufactures of	50	11,800
Machinery and vehicles	1,312	1,241,200
Unclassified	28,449	6,116,570
Total	215,803	9,601,800

Car-ferry, 1,614,460 short tons valued at $91,202,000.

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.[1]
Registered (arrivals only):[2]			
Steamers	2,516	3,090,652	26,560
Unrigged	46	44,277	.....
Total	2,562	3,134,929	26,560

[1] Arrived and departed.
[2] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept. Departures equal arrivals.

The Pere Marquette Railway operated a line of car-ferries from Ludington to Milwaukee and Manitowoc during the entire year.

The Pere Marquette Line steamers operated a translake line of steamers between Ludington, Manistee, and Milwaukee during the entire year and a motor boat between Ludington and Pentwater during the summer months.

The Michigan Transit Co. operated a line of steamers from Chicago to Ludington and other northern Michigan points during the navigation season.

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MANISTEE HARBOR, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889	667,031	$7,400,545	(1)	1906	443,931	(1)	(1)
1890	647,287	(1)	(1)	1907	356,864	(1)	(1)
1891	743,519	(1)	(1)	1908	428,064	$17,411,000	14,380
1892	739,6 5	(1)	(1)	1909	439,598	5,982,190	23,000
1893	968,135	(1)	(1)	1910	324,723	7,170,064	27,450
1894	675,500	(1)	(1)	1911	320,820	3,763,626	29,350
1895	675,607	(1)	(1)	1912	355,740	3,925,711	25,879
1896	528,244	(1)	(1)	1913	306,898	3,991,589	25,809
1897	575,608	(1)	(1)	1914	196,322	3,520,595	20,968
1898	490,493	(1)	(1)	1915	90,842	1,884,157	19,252
1899	452,666	(1)	(1)	1916	83,091	2,005,849	16,383
1900	625,618	(1)	(1)	1917	100,906	1,713,804	11,270
1901	634,979	(1)	(1)	1918	44,223	997,199	6,436
1902	812,259	(1)	(1)	1919	45,722	1,992,366	9,909
1903	570,361	(1)	(1)	1920	35,190	2,053,700	7,837
1904	793,823	(1)	(1)	1921	40,944	1,478,000	8,055
1905	469,870	(1)	(1)				

[1] No statistics available.

[Navigation season opened Jan. 1, closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	
Fish, fresh		88	88	$18,600	$18,600	8	(1)
Vegetable food products			248		15,000		
Mill stuff		218		13,080		66	$0.053
Vinegar		30		1,920		66	.061
Wood and paper: Lumber	260		260	5,200	5,200	200	.013
Nonmetallic minerals			13,061		33,100		
Coal, soft	3,461			17,300		515	.0019
Stone, crushed	9,600			15,800		76	.0086
Unclassified		1,991	1,991	597,300	597,300	156	.077
Total	13,321	2,327	15,648		669,200		
SHIPMENTS, INTERNAL.							
Textiles: Underwear, cotton		113	113	251,100	251,100	143	.130
Nonmetallic minerals: Salt	5,042	19,026	24,068	223,200	223,200	227	.0049
Unclassified		1,115	1,115	334,500	334,500	161	.068
Total	5,042	20,254	25,296		808,800		
Total receipts and shipments	18,363	22,581	40,944		1,478,000		

[1] No rate; local catch.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	88	$18,600
Vegetable food products	248	15,000
Textiles	113	251,100
Wood and paper	260	5,200
Nonmetallic minerals	37,129	256,300
Unclassified	3,106	931,800
Total	40,944	1,478,000

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MANISTEE HARBOR, MICH.—continued.

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.[1]
Registered (arrivals only):[2]			
Steamers	280	277,204	5,055
Unrigged	8	7,320	
Total	288	284,524	5,055

[1] Arrived and departed.
[2] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept. Departures equal arrivals.

The Pere Marquette Line steamers operated a translake line of steamers between Milwaukee and Manistee via Ludington during the entire year and a coastwise line of motor boats between Manistee, Onekema and Arcadia during the summer season.

The Michigan Transit Co. operated a line of steamers from Chicago to northern Michigan points, including Manistee, during navigation season.

FRANKFORT HARBOR, MICH.

Comparative statement of traffic.

Year.	General vessel traffic.			Car-ferry traffic.			Total passengers.[1]
	Tons.	Value.	Passengers.	Tons.	Value.	Passengers.	
1908	(2)	(2)	(2)	(2)	(2)	(2)	4,000
1909	(2)	(2)	(2)	(2)	(2)	(2)	6,908
1910	(2)	(2)	(2)	(2)	(2)	(2)	10,870
1911	(2)	(2)	(2)	(2)	(2)	(2)	9,504
1912	(2)	(2)	(2)	(2)	(2)	(2)	7,763
1913	(2)	(2)	(2)	(2)	(2)	(2)	6,765
1914	6,820	$619,667	(2)	730,428	$18,198,410	(2)	8,555
1915	2,341	352,824	(2)	716,558	21,453,469	(2)	4,771
1916	1,855	250,390	(2)	949,355	27,491,069	(2)	4,703
1917	1,872	247,625	(2)	1,263,539	38,684,373	(2)	3,678
1918	474	99,249	(2)	1,112,557	56,141,120	(2)	3,972
1919	1,869	444,925	5,140	1,396,737	80,268,017	(2)	5,140
1920	4,885	413,000	3,512	1,427,646	101,222,400	3,348	6,860
1921	3,448	505,000	3,869	1,128,061	66,070,000	2,568	6,437

[1] No statistics available prior to 1908.
[2] Division between general and car-ferry traffic unknown.

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FRANKFORT HARBOR, MICH.—continued.

[Navigation season opened Jan. 1, closed Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

(Car-ferry traffic not included.)

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	
Fish, fresh	.....	180	180	$52,160	$52,160	19	(1)
Nonmetallic minerals: Stone, rubble [2]	1,277	.....	1,277	3,800	3,800	58	$0.018
Unclassified	.....	628	628	141,300	141,300	204	.074
Total	1,277	808	2,085	.....	197,260	.....	.....
SHIPMENTS, INTERNAL.							
Vegetable food products: Fruit, preserved	.....	36	36	9,180	9,180	204	.084
Unclassified	.....	1,327	1,327	298,570	298,570	204	.059
Total	.....	1,363	1,363	.....	307,750	.....	.....
Total receipts and shipments	1,277	2,171	3,448	.....	505,000	.....	.....

[1] No rate; local catch.
[2] Government materials for repairs of harbor piers.

(Via car ferry.[1])

Commodities.	Amount in short tons.[2]	Value.
RECEIPTS, INTERNAL.		
Flour	43,227	$3,675,000
Grain	16,812	462,000
Lumber	134,290	3,353,000
Unclassified	381,992	25,100,000
Total	576,321	32,590,000
SHIPMENTS, INTERNAL.		
Coal	323,616	2,750,000
Unclassified	228,124	30,730,000
Total	551,740	33,480,000
Total receipts and shipments	1,128,061	66,070,000

[1] Average haul, 79 miles; average rate per ton mile, about $0.0067.
[2] Exclusive of dead weight of cars.

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FRANKFORT HARBOR, MICH.—continued.

DOMESTIC—Continued.

	Number and dead weight of cars.	
	Number.	Short tons.
Received:		
Empty cars	5,294	89,998
Loaded cars	21,895	372,215
Total	27,189	462,213
Shipped:		
Empty cars	5,242	89,114
Loaded cars	15,516	263,772
Total	20,758	352,886
Total received and shipped	47,947	815,099

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	180	$52,180
Vegetable food products	36	9,180
Nonmetallic minerals	1,277	3,800
Unclassified	1,955	439,870
Total	3,448	505,000

Car-ferry, short tons, 1,128,061; valued at $66,070,000.

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.[1]
Registered (arrivals only): Steamers[2]	1,153	2,251,702	6,437

[1] Arrived and departed.
[2] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept. Departures equal arrivals.

The Ann Arbor Railroad Co. operated a regular line of car ferries from Frankfort to Manitowoc, Kewaunee, and Manistique during the entire year and to Menominee during the open season of navigation on Green Bay.

The Michigan Transit Co. operated a line of steamers from Chicago to northern Michigan points including Frankfort.

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CHARLEVOIX HARBOR, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1889	42,270	(1)	(1)	1906	36,413	(1)	(1)
1890	68,766	(1)	(1)	1907	58,984	(1)	(1)
1891	198,186	(1)	(1)	1908	45,211	$2,643,000	(1)
1892	42,181	(1)	(1)	1909	227,956	2,353,368	3,003
1893	181,240	(1)	(1)	1910	234,120	3,810,879	11,900
1894	429,227	(1)	(1)	1911	212,232	2,812,343	6,975
1895	70,911	(1)	(1)	1912	251,798	2,216,927	8,275
1896	183,778	(1)	(1)	1913	198,160	1,978,757	10,207
1897	134,236	(1)	(1)	1914	155,902	1,606,400	9,694
1898	89,926	(1)	(1)	1915	172,052	1,574,763	4,175
1899	124,109	(1)	(1)	1916	159,649	1,427,542	7,150
1900	260,821	(1)	(1)	1917	110,099	783,736	6,281
1901	190,156	(1)	(1)	1918	107,246	913,047	1,861
1902	245,977	(1)	(1)	1919	110,660	1,068,721	6,719
1903	117,586	(1)	(1)	1920	62,850	1,111,260	7,633
1904	113,376	(1)	(1)	1921	18,953	748,200	8,322
1905	66,670	(1)	(1)				

[1] No statistics available.

[Navigation season opened Apr. 1, closed Dec. 28, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	
Animals and animal products			510		$111,700		
Fish, fresh		151		$33,100		12	(1)
Fish, salt		359		78,600		33	$0.364
Wood and paper			679		9,100		
Lumber	609			6,300		70	.027
Shingles		70		2,800		33	.155
Ores, metals, and manufactures of: Ore, iron	12,149		12,149	62,900	62,900	99	.0059
Unclassified		907	907	272,100	272,100	255	.078
Total	12,758	1,487	14,245		455,800		
SHIPMENTS, INTERNAL.							
Vegetable food products			259		11,500		
Apples		90		1,400		45	.044
Grain and feed		169		10,100		33	.155
Wood and paper			3,446		39,400		
Lumber	3,383			37,200		277	.009
Staves, etc	63			2,200		38	.053
Nonmetallic minerals			211		3,900		
Coal	150			900		101	.010
Kerosene		61		3,000		33	.152
Unclassified		792	792	237,600	237,600	206	.043
Total	3,596	1,112	4,708		292,400		
Total receipts and shipments	16,354	2,599	18,953		748,200		

[1] No rate; local catch

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CHARLEVOIX HARBOR, MICH.—continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	510	$111,700
Vegetable food products	250	11,[illegible]
Wood and paper	4,125	45,[illegible]
Nonmetallic minerals	211	3,900
Ores, metals, and manufactures of	12,149	62,900
Unclassified	1,699	509,700
Total	18,953	745,200

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.[1]
Registered (arrivals only):[2]			
Steamers	314	160,876	8,322
Sailing	2	1,480	.....
Total	316	162,356	8,322

[1] Arrived and departed.
[2] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept. Departures equal arrivals.

The Michigan Transit Co. operated a line of steamers from Chicago to Charlevoix and other northern Michigan points during the summer season.

The Beaver Island Transportation Co. operated one boat between Charlevoix and Beaver Island.

PETOSKEY HARBOR, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1892	31,017	(1)	(1)	1911	3,200	$560,000	1,935
1893	17,809	(1)	(1)	1912	3,333	526,718	1,767
1894	19,660	(1)	(1)	1913	2,835	406,985	2,307
1895	22,110	(1)	(1)	1914	2,851	364,948	951
1896	29,156	(1)	(1)	1915	1,291	192,921	700
1897	20,333	(1)	(1)	1916	1,056	158,527	561
1898	15,059	(1)	(1)	1917	1,052	158,155	240
1903	130,800	(1)	(1)	1918	1,934	134,156	117
1905	112,544	(1)	(1)	1919	1,559	467,192	1,292
1908	858	$212,000	(1)	1920	1,291	387,290	2,502
1909	3,250	585,000	1,456	1921	1,574	436,900	3,997
1910	2,687	470,225	4,600				

[1] No statistics available; also none available for years omitted.

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PETOSKEY HARBOR, MICH.—continued.

[Navigation season opened Apr. 22, closed Dec. 20, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	
Fish, fresh		12	12	$3,000	$3,000	10	(1)
Wood and paper: Lumber	50		50	750	750	18	$0.111
Unclassified		689	689	206,700	206,700	293	.058
Total	50	701	751		210,450		
SHIPMENTS, INTERNAL.							
Vegetable food products			246		53,350		
Apples		72		1,155		58	.034
Groceries		174		52,200		84	.119
Unclassified		577	577	173,100	173,100	293	.024
Total		823	823		226,450		
Total receipts and shipments	50	1,524	1,574		436,900		

[1] No rate; local catch.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	12	$3,000
Vegetable food products	246	53,350
Wood and paper	50	750
Unclassified	1,266	379,800
Total	1,574	436,900

The above does not include statistics for the private harbor of the Petoskey Portland Cement Co., three-fourths mile west of Petoskey Harbor, viz.

Receipts: 3,800 tons soft coal; value $17,100; average haul, 462 miles; rate per ton mile, $0.00216.

Shipments: 14,700 tons cement; value $193,300; average haul, 204 miles; rate per ton mile, $0.011.

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.[1]
Registered (arrivals only): Steamers [2]	377	164,562	3,997

[1] Arrived and departed; 53,300 carried by local ferry line not included.
[2] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept. Departures equal arrivals.

The Michigan Transit Co. operated a line of steamers from Chicago to Petoskey and other northern Michigan ports during the navigation season.

The Little Traverse Bay Ferry Line carried passengers and general merchandise between Petoskey and nearby summer resorts.

The increase in commerce (22 per cent) compared to that of the preceding year is due to increased shipments of unclassified package freight. The increase in valuation is due to increased tonnage.

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PORTAGE LAKE HARBOR OF REFUGE, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1907	3,793	(1)	(1)	1915	2,041	265,175	5,356
1908	3,441	$147,000	(1)	1916	1,779	225,900	7,410
1909	2,173	171,925	(1)	1917	819	111,975	4,635
1910	1,805	96,950	7,000	1918	559	68,475	1,083
1911	2,100	124,500	6,887	1919	2,466	402,400	5,196
1912	2,226	149,320	7,027	1920	1,636	241,760	3,143
1913	2,184	282,950	7,197	1921	1,826	203,290	3,567
1914	2,433	297,594	5,762				

[1] No statistics available.

[Navigation season opened June 14, closed Nov. 11, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	
Fish, fresh	.....	3	3	$470	$470	12	(1)
Unclassified	.....	259	259	77,700	77,700	171	$0.077
Total	.....	262	262	.....	78,170	.....	.....
SHIPMENTS, INTERNAL.							
Vegetable food products: Fruit and vegetables	.....	1,564	1,564	125,120	125,120	150	.071
Total receipts and shipments	.....	1,826	1,826	.....	203,290	.....	.....

[1] No rate; local catch.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	3	$470
Vegetable food products	1,564	125,120
Unclassified	259	77,700
Total	1,826	203,290

Vessel classification, 1921.

Classes.	American	Net registered tonnage.	Passengers.
Registered (arrivals only): Steamers [1]	138	97,563	3,567

[1] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept. Departures equal arrivals.

The Pere Marquette Line steamers operated a small gasoline boat from Manistee to Portage Lake and Arcadia during the navigation season.

The Michigan Transit Co. operated a line of steamers from Chicago to northern Michigan points, including Portage Lake, during the navigation season.

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There was an increase of 12 per cent in the amount of commerce compared to that of the preceding year.

ARCADIA HARBOR, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1894	24,571	(1)	(1)	1911	18,455	$347,671	3,637
1895	20,361	(1)	(1)	1912	26,650	328,875	4,265
1896	24,467	(1)	(1)	1913	22,626	289,219	795
1897	25,587	(1)	(1)	1914	21,525	286,126	1,107
1898	24,466	(1)	(1)	1915	10,983	163,239	513
1899	28,886	(1)	(1)	1916	4,422	177,000	743
1900	30,401	(1)	(1)	1917	396	56,775	147
1901	24,121	(1)	(1)	1918	151	22,650	11
1906	2,014	(1)	(1)	1919	494	93,750	37
1907	70,556	(1)	(1)	1920	269	75,100	48
1908	2,975	(1)	1,807	1921	36	5,175	.....
1909	4,278	$345,580	(1)				

[1] No statistics available; also none available for years omitted.

[Navigation season opened June 15, closed Nov. 15, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities (package).	Amount in short tons by classes.	Value. By commodities.	Value. By classes.	Average haul.	Rate per ton-mile.
RECEIPTS, INTERNAL.						
Unclassified	11	11	$3,300	$3,300	*Miles.* 100	$0.10
SHIPMENTS, INTERNAL.						
Vegetable food products: Fruit, fresh	25	25	1,875	1,875	140	.066
Total receipts and shipments	36	36	.....	5,175	.....	.....

SUMMARY.

Classes of commodities.	Tons.	Value.
Vegetable food products	25	$1,875
Unclassified	11	3,300
Total	36	5,175

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.
Registered (arrivals only): Steamers [1]	6	174

[1] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept. Departures equal arrivals.

The Pere Marquette Line steamers operated a small gasoline boat from Manistee to Portage Lake and Arcadia during the navigation season.

Commerce decreased during the past year almost to the vanishing point.

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PENTWATER HARBOR, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890	280,334	(1)	(1)	1907	2,532	(1)	(1)
1891	28,583	(1)	(1)	1908	2,431	$340,000	3,500
1892	545,217	(1)	(1)	1909	4,639	294,657	6,847
1893	14,651	(1)	(1)	1910	4,277	92,662	5,000
1894	31,442	(1)	(1)	1911	4,419	257,375	10,280
1895	18,347	(1)	(1)	1912	1,619	150,712	5,870
1896	17,090	(1)	(1)	1913	3,527	284,213	5,325
1897	30,765	(1)	(1)	1914	12,897	214,248	4,494
1898	19,258	(1)	(1)	1915	6,061	184,294	5,131
1900	29,753	(1)	(1)	1916	2,204	220,316	2,655
1901	6,070	(1)	(1)	1917	534	58,575	596
1903	22,230	(1)	(1)	1918	.....	.....	.....
1904	15,423	(1)	(1)	1919	16	3,500	.....
1905	2,840	(1)	(1)	1920	989	82,650	6
1906	13,413	(1)	(1)	1921	1,227	101,000	.....

[1] No statistics available.

[Navigation season opened Mar. 15, closed Dec. 5, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities (package).	Amount in short tons by classes.	Value. By commodities.	Value. By classes.	Average haul.	Rate per ton-mile.
RECEIPTS, INTERNAL.						
					Miles.	
Animals and animal products: Fish, fresh	8	8	$2,150	$2,150	9	(1)
Unclassified	19	19	2,850	2,850	111	$0.108
Total	27	27	.....	5,000	.....	.....
SHIPMENTS, INTERNAL.						
Vegetable food products: Fruit, fresh	1,200	1,200	96,000	96,000	111	.095
Total receipts and shipments	1,227	1,227	.....	101,000	.....	.....

[1] No rate; local catch.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	8	$2,150
Vegetable food products	1,200	96,000
Unclassified	19	2,850
Total	1,227	101,000

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PENTWATER HARBOR, MICH.—continued.

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.
Registered (arrivals only): [1]		
Steamers	168	1,840
Sailing	9	[2] 108
Total	177	1,948

[1] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept. Departures equal arrivals.
[2] Estimated.

The vessel traffic at this harbor consisted of one small motor boat operated by the Pere Marquette Line Steamers from July to October between Pentwater and Ludington, and other small steam, gas, and sail boats, carrying principally fresh fruit. There was an increase of 12 per cent in tonnage compared to that of the preceding year, due to increased shipments of fruit.

GLADSTONE HARBOR, MICH.

Comparative statement of traffic.

Year	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1902	553,745	(1)	(1)	1909	469,981	$22,909,550	(1)
1904	494,236	(1)	(1)	1910	461,368	14,748,575	100
1905	567,713	(1)	(1)	1911	449,223	12,874,800	100
1906	527,193	(1)	(1)	1920	107,100	882,650	.....
1907	549,270	(1)	(1)	1921	75,990	831,560	.....
1908	558,098	(1)	(1)				

[1] No statistics available; also none available for years omitted.

[Navigation season opened Apr. 15, closed Dec. 21, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Wood pulp, bleached	10,920	10,920	$436,800	$436,800

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GLADSTONE HARBOR, MICH.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	
Fish, fresh		85	85	$15,060	$15,060	12	(1)
Nonmetallic minerals			63,405		352,700		
Coal, hard	859			9,700		709	$0.00141
Coal, soft	62,546			343,000		564	.00097
Total	63,405	85	63,490		367,760		
SHIPMENTS, INTERNAL.							
Wood and paper: Lumber	1,580		1,580	27,000	27,000	204	.0154
Total receipts and shipments	64,985	85	65,070		394,760		

[1] No rate; local catch.

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic, internal.	
	Tons.	Value.	Tons.	Value.
Animals and animal products			85	$15,060
Wood and paper	10,920	$436,800	1,580	27,000
Nonmetallic minerals			63,405	352,700
Total	10,920	436,800	65,070	394,760

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.	Net registered tonnage.
Registered (arrivals only): [1]				
Steamers	27	3	30	42,874
Unrigged	2	1	3	2,120
Total	29	4	33	44,994

[1] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept. Departures equal arrivals.

No regular boat line operates to this port.

The usual limit of draft for coal-carrying vessels, comprising 83 per cent of the total traffic, is 18 feet, the draft for the remaining 17 per cent being 14 to 16 feet.

The decrease of 29 per cent in commerce, compared to that of the preceding year, is due to reduced receipts of coal, which were partially offset by increased receipts of wood pulp from Canadian ports.

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ESCANABA HARBOR, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.
1920 [1]	7,608,777	$39,348,150	.....
1921	2,270,860	11,059,220	200

[1] No statistics available prior to 1920.

[Navigation season opened Apr. 15, closed Dec. 21, 1921.]

Freight traffic, 1921.

FOREIGN.[1]

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Wood pulp, bleached	1,580	1,580	$63,200	$63,200
EXPORTS.				
Wood and paper: Lumber	1,300	1,300	14,300	14,300
Ores, metals, and manufactures of: Ore, iron	92,870	92,870	452,000	452,000
Total	.....	94,170	.....	466,300
Total imports and exports	.....	95,750	.....	529,500

[1] Includes Wells, Mich.

DOMESTIC.[1]

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	
Fish, fresh	.....	83	83	$11,960	$11,960	14	(2)
Nonmetallic minerals	.....	.....	227,852	.....	1,471,400	.....	.....
Coal, hard	17,386	.....	.....	208,600	.....	701	$0.00079
Coal, soft	210,466	.....	.....	1,262,800	.....	520	.00106
Unclassified	.....	355	355	35,500	35,500	59	.114
Total	227,852	438	228,290	.....	$1,518,860	.....	.....
SHIPMENTS, INTERNAL.							
Wood and paper: Lumber	14,770	.....	14,770	285,000	285,000	332	.0082
Nonmetallic minerals: Coal screenings, hard	862	.....	862	860	860	614	.00065
Ores, metals, and manufactures of: Ore, iron	1,930,588	.....	1,930,588	8,620,000	8,620,000	451	.00152
Unclassified	.....	600	600	105,000	105,000	37	.128
Total	1,946,220	600	1,946,820	.....	9,010,860	.....	.....
Total receipts and shipments	2,174,072	1,038	2,175,110	.....	10,529,720	.....	.....

[1] Includes Wells, Mich.
[2] No rate; local catch.

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ESCANABA HARBOR, MICH.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic, internal.	
	Imports.		Exports.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products					83	$11,960
Wood and paper	1,580	$63,200	1,300	$14,300	14,770	285,000
Nonmetallic minerals					228,714	1,472,280
Ores, metals, and manufactures of			92,870	452,000	1,930,588	8,620,000
Unclassified					955	140,500
Total	1,580	63,200	94,170	466,300	2,175,110	10,529,720

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.	Net registered tonnage.	Passengers.[1]
Registered (arrivals only):[2]					
Steamers	424	5	429	1,180,389	200
Unrigged	27		27	82,782	
Total	451	5	456	1,263,171	200

[1] Arrived and departed.
[2] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept. Departures equal arrivals.

No regular boat line operates to this port.

The usual limits of draft for iron ore and coal carrying vessels, comprising practically the entire traffic, is 19 feet.

The decrease of nearly 60 per cent in the amount of traffic, compared to that of the preceding year, is due to decreased shipments of iron ore.

TRAVERSE CITY, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.
1920	7,475	$777,850	236
1921	18,830	766,500	1,005

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TRAVERSE CITY, MICH.—continued.

[Navigation season opened Apr. 1, closed Dec. 11, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	
Fish, fresh		71	71	$17,600	$17,600	26	
Vegetable food products			2,922		84,200		
Apples		2,875		65,000		22	$0.091
Groceries		47		19,200		293	.047
Wood and paper			5,860		73,500		
Forest products	3,170			23,100		102	.016
Lumber	2,000			50,000		125	.018
Wood	150			400		50	.030
Nonmetallic minerals: Coal	7,000		7,000	55,000	55,000	442	.0023
Unclassified		817	817	245,100	245,100	293	.047
Total	12,860	3,810	16,670		475,400		
SHIPMENTS, INTERNAL.							
Vegetable food products			1,708		155,500		
Cider and apple products		1,244		93,300		293	.017
Fruits, canned		400		36,000		293	.020
Groceries		64		26,200		87	.069
Unclassified		452	452	135,600	135,600	293	.024
Total		2,160	2,160		291,100		
Total receipts and shipments	12,860	5,970	18,830		766,500		

[1] No rate; local catch.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	71	$17,600
Vegetable food products	4,630	239,700
Wood and paper	5,860	73,500
Nonmetallic minerals	7,000	55,000
Unclassified	1,269	380,700
Total	18,830	766,500

Vessel classification, 1921.

Classes.	American.	Net registered tonnage.	Passengers.[1]
Registered (arrivals only): [2]			
Steamers	83	86,784	1,005
Sailing	1	199	
Total	84	86,983	1,005

[1] Arrived and departed.
[2] No unregistered craft except fishing tugs and gasoline fishing and pleasure boats, of which no records are kept. Departures equal arrivals.

The Michigan Transit Co. operated a line of steamers from Chicago to northern Michigan points during the summer season, making regular stops at Traverse City.

The Roen Steamboat Service, the Morton Transportation Co., and the Traverse City Transportation Co. operated small freight boats to near-by points, touching at Traverse City.

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The large increase in tonnage compared to that of the preceding year is due to increased receipts of coal.

The decrease in value is due to reduced shipments of high unit value.

CHICAGO, ILL., DISTRICT.

ILLINOIS RIVER, ILL.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890	[1] 26,390	(2)	(2)	1906	[1] 22,385	(2)	(2)
1891	[1] 35,495	(2)	(2)	1907	[1] 16,705	(2)	(2)
1892	[1] 57,275	(2)	(2)	1908	[1] 15,375	(2)	(2)
1893	[1] 56,390	(2)	(2)	1909	59,200	$1,917,500	45,800
1894	[1] 45,875	(2)	(2)	1910	106,320	2,841,520	75,200
1895	[1] 37,640	(2)	(2)	1911	173,529	3,557,150	62,300
1896	[1] 42,105	(2)	(2)	1912	167,698	3,338,879	68,400
1897	[1] 45,195	(2)	(2)	1913	141,497	3,154,491	130,400
1898	[1] 29,243	(2)	(2)	1914	178,199	3,730,458	131,000
1899	[1] 41,675	(2)	(2)	1915	239,677	3,702,832	74,172
1900	[1] 25,925	(2)	(2)	1916	219,272	5,340,655	112,984
1901	[1] 36,485	(2)	(2)	1917	284,970	7,673,707	[3] 32,574
1902	[1] 29,851	(2)	(2)	1918	165,252	8,710,917	110,701
1903	[1] 20,860	(2)	(2)	1919	190,503	6,810,525	96,093
1904	[1] 15,035	(2)	(2)	1920	187,007	7,567,135	81,930
1905	[1] 14,950	(2)	(2)	1921	157,546	4,733,044	65,547

[1] Traffic between Illinois River and St. Louis, no "local" available.
[2] No statistics available.
[3] Unable to obtain complete return.

[Navigation season opened Jan. 4, closed Dec. 23, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.						*Miles.*	*Mills.*
Animals and animal products			8,129		$1,266,080		
Live stock		7,841		$1,254,560		90	0.100
Shells	288			11,520		25	.050
Vegetable food products			30,385		701,550		
Apples		35		3,500		95	.095
Grain	30,350			698,050		90	.045
Unclassified: Miscellaneous package		8,480	8,480	1,187,200	1,187,200	80	.056
Total	30,638	16,356	46,994		3,154,830		
DOWNBOUND							
Animals and animal products:							
Live stock		4,453	4,453	712,480	712,480	90	.10
Vegetable food products			20,660		478,260		
Apples		40		4,000		95	.095
Grain	20,620			474,260		90	.045
Nonmetalic minerals			83,332		93,894		
Coal	9,660			38,640		75	.020
Sand and gravel	73,672			55,254		40	.025
Unclassified: Miscellaneous package		2,097	2,097	293,580	293,580	80	.056
Total	103,952	6,590	110,542		1,578,214		
Total upbound and downbound	134,590	22,946	157,536		4,733,044		

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ILLINOIS RIVER, ILL.—continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	12,582	$1,978,560
Vegetable food products	51,045	1,179,810
Nonmetallic minerals	83,332	93,894
Unclassified	10,577	1,480,780
Total	157,536	4,733,044

Vessel classification, 1921.

Class.	Number (American).	Net registered tonnage.	Passengers carried.
Registered:			
Steamers—			
Packet	4	1,073	21,253
Excursion	4	1,638	44,294
Towboat	13	1,419	.....
Launches	31	678	.....
Unregistered boats	1,200	.....	.....
Total	1,252	4,808	65,547

CHICAGO HARBOR, ILL.

(INCLUDING CHICAGO RIVER, ILL.)

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890	7,209,514	(1)	(1)	1906	5,011,786	(1)	(1)
1891	7,214,765	(1)	(1)	1907	4,980,123	(1)	(1)
1892	8,412,992	(1)	(1)	1908	4,025,170	(1)	(1)
1893	7,958,963	(1)	(1)	1909	4,224,655	(1)	1,395,072
1894	7,209,236	(1)	(1)	1910	4,273,304	(1)	1,498,608
1895	7,205,942	(1)	(1)	1911	4,025,576	(1)	1,622,314
1896	6,347,163	(1)	(1)	1912	3,644,745	(1)	1,448,445
1897	7,149,759	(1)	(1)	1913	3,829,442	$233,516,848	1,129,253
1898	7,391,454	(1)	(1)	1914	3,780,509	242,620,046	1,151,041
1899	6,189,365	(1)	(1)	1915	3,259,170	241,530,509	659,158
1900	5,873,070	(1)	(1)	1916	2,439,381	231,262,807	1,241,943
1901	6,184,242	(1)	(1)	1917	1,900,687	201,360,650	838,499
1902	5,184,792	(1)	(1)	1918	1,925,633	202,214,032	722,633
1903	6,105,553	(1)	(1)	1919	1,631,620	167,500,565	1,075,606
1904	4,446,071	(1)	(1)	1920	1,527,365	163,411,953	971,846
1905	5,388,986	(1)	(1)	1921	2,632,343	143,896,106	1,368,850

[1] No statistics available.

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CHICAGO HARBOR, ILL.—continued.

[Navigation season opened Apr. 25, closed Dec. 5, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products		8,252		$520,509
Elevator screenings	102		$142	
Flaxseed	8,150		520,367	
Wood and paper products		5,200		100,036
Lumber	4,570		68,536	
Wood pulp	630		31,500	
Nonmetallic minerals: Talc	340	340	5,546	5,546
Animal and animal products		83		5,440
Herring, salt	73		4,287	
Mackeral, salt	10		1,153	
Unclassified: Various articles	42	42	3,313	3,313
Total		13,917		634,844
EXPORTS.				
Vegetable food products		703,333		18,532,944
Corn	550,360		11,746,206	
Rye	13,661		662,764	
Wheat	139,312		6,123,974	
Textiles: Binder twine	15,042	15,042	4,443,120	4,443,120
Ores, metals and manufactures of: Iron fittings	2	2	780	780
Total		718,377		22,976,844
Total imports and exports		732,294		23,611,688

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	*Mills.*
Vegetable food products			10,830		$707,190		
Flaxseed	3,997			$271,135		808	0.01326
Rye	5,320			231,800		808	.00773
Sugar	1,513			204,255		892	.06851
Wood and paper products: Lumber	30,485		30,485	533,470	533,470	600	.05000
Nonmetallic minerals			452,664		4,623,507		
Coal, hard	378,624			4,070,207		892	.00728
Salt	74,040			553,300		156	.05442
Unclassified: Miscellaneous package		262,279	262,279	52,455,600	52,455,600	97	(1)
Total	493,979	262,279	756,258		58,319,767		
SHIPMENTS, INTERNAL.							
Vegetable food products			940,213		26,339,501		
Barley	1,865			48,969		892	.00759
Corn	541,465			11,216,052		757	.00825
Oats	185,723			4,643,071		664	.01412
Rye	9,228			402,079		872	.07065
Wheat	201,932			10,029,330		881	.00662
Unclassified: Miscellaneous package		203,578	203,578	35,625,150	35,625,150	97	(1)
Total	940,213	203,578	1,143,791		61,964,651		
Total receipts and shipments	1,434,192	465,857	1,900,049		120,284,418		

[1] Unavailable.

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CHICAGO HARBOR, ILL.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic, internal.		Total.	
	Imports.		Exports.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	83	$5,440					83	$5,440
Vegetable food products	8,252	520,509	703,333	$18,532,944	951,043	$27,046,691	1,662,628	46,100,144
Textiles			15,042	4,443,120			15,042	4,443,120
Wood and paper products	5,200	100,036			30,485	533,470	35,685	633,506
Nonmetallic minerals	340	5,546			452,664	4,623,507	453,004	4,629,053
Ores, metals and manufactures of			2	780			2	780
Unclassified	42	3,313			465,857	88,080,750	465,899	88,084,063
Total	13,917	634,844	718,377	22,976,844	1,900,049	120,284,418	2,632,343	143,896,106

Vessels arrived and departed, 1921.

Class.	American.	Net registered tonnage.
Registered:		
Arrivals, steamers	2,540	2,951,815
Clearances, steamers	2,547	3,118,982
Total	5,087	6,070,797

Passengers carried, 1,368,850.

Increase of registered tonnage, more than that of 1920 1,072,048
Vessels documented at the port of Chicago on Dec. 31, 1921, including 5 registered and 211 enrolled vessels, gross tons 92,351
Greatest draft of vessels arriving or departing in 1921, feet 19

New lines of transportation established: The Hill Steamboat Line entered the *Chas. McVea* in the Chicago, Waukegan, and Kenosha freight traffic. The Chicago Steamship Lines (Inc.), entered the *Pere Marquette No. 2*, *Spokane* and *Geo. W. Clyde* in the Chicago, Milwaukee, Michigan City, Detroit, and Buffalo freight traffic.

CHICAGO RIVER, ILL.

Commerce reported under Chicago Harbor, of which the commerce is naturally a part.

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CALUMET HARBOR, ILL.

(INCLUDING CALUMET RIVER, ILL. AND IND.)

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890	1,796,401	(1)	1906	5,290,326	(1)
1891	2,066,751	(1)	1907	6,430,347	(1)
1892	1,822,907	(1)	1908	5,932,153	(1)
1893	903,397	(1)	1909	6,155,104	(1)
1894	1,436,397	(1)	1910	7,254,317	(1)
1895	2,857,750	(1)	1911	6,607,996	(1)
1896	2,973,724	(1)	1912	8,318,338	(1)
1897	3,493,218	(1)	1913	9,445,378	$178,817,771
1898	4,117,526	(1)	1914	6,549,576	162,000,344
1899	3,229,874	(1)	1915	6,968,660	135,960,985
1900	3,783,674	(1)	1916	10,308,735	214,818,929
1901	3,995,277	(1)	1917	10,269,304	225,122,383
1902	4,454,428	(1)	1918	10,594,123	124,518,226
1903	4,742,225	(1)	1919	8,574,542	115,981,559
1904	3,728,260	(1)	1920	10,392,490	96,869,681
1905	4,530,394	(1)	1921	6,215,989	72,649,687

[1] Not available.

[Navigation season opened Apr. 25, closed Dec. 15, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products: Elevator screenings	2,435	2,435	$2,197	$2,197
Nonmetallic minerals: Iron pyrites	7,000	7,000	31,500	31,500
Total		9,435		33,697
EXPORTS.				
Vegetable food products		739,369		22,270,97[illegible]
Corn	462,808		10,341,323	
Rye	33,039		1,516,763	
Wheat	243,522		10,412,892	
Ores, metals and manufactures of		6,657		233,616
Iron fittings	4,467		183,786	
Pig iron	2,190		49,830	
Total		746,026		22,504,594
Total imports and exports		755,461		22,538,291

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CALUMET HARBOR, ILL.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	*Mills.*
Nonmetallic minerals			1,067,996		$4,239,084		
Coal, hard	187,414			$1,995,959		903	0.00609
Coal, soft	376,437			1,693,966		800	.00750
Stone, crushed	504,145			549,159		396	.01263
Ores, metals, and manufactures of: Iron ore	3,339,153		3,339,153	16,487,070	16,487,070	820	.01000
Unclassified	16,795	146	16,941	158,049	158,049	214	(1)
Total	4,423,944	146	4,424,090		20,884,203		
SHIPMENTS, INTERNAL.							
Vegetable food products			995,986		27,853,979		
Corn	639,979			13,257,700		767	.00815
Oats	123,288			3,082,195		674	.01391
Rye	7,264			316,500		882	.00709
Wheat	225,455			11,197,584		892	.00654
Ores, metals and manufactures of: Pig iron	1,350		1,350	30,712	30,712	96	(1)
Unclassified	13,034	26,068	39,102	1,342,502	1,342,502	214	(1)
Total	1,010,370	26,068	1,036,438		29,227,193		
Total receipts and shipments	5,434,314	26,214	5,460,528		50,111,396		

[1] Unavailable.

SUMMARY.

Classes of commodities.	Foreign.				Domestic, internal.		Total.	
	Imports.		Exports.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products	2,435	$2,197	739,369	$22,270,978	995,986	$27,853,979	1,737,790	$50,127,154
Nonmetallic minerals	7,000	31,500			1,067,996	4,239,084	1,074,996	4,270,584
Ores, metals and manufactures of			6,657	233,616	3,340,503	16,517,782	3,347,160	16,751,398
Unclassified					56,043	1,500,551	56,043	1,500,551
Total	9,435	33,697	746,026	22,504,594	5,460,528	50,111,396	6,215,989	72,649,687

Vessels arrived and departed, 1921.

Class.	American.	Net registered tonnage.	Passengers carried.
Registered:			
Arrivals, steamers	610	2,532,640	
Clearances, steamers	656	2,702,999	None.
Total	1,266	5,235,639	

NOTE.—Calumet Harbor is in the Chicago collection district, of which it is a part.

Decrease of registered tonnage, less than that of 1920 3,951,386
Greatest draft of vessels arriving or departing in 1921 ..... feet .. 20

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CALUMET RIVER, ILL. AND IND.

Commerce reported under Calumet Harbor, of which the commerce is naturally a part.

INDIANA HARBOR, IND.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1913	875,306	$9,875,646	1918	3,098,602	$29,057,264
1914	1,669,455	11,680,013	1919	2,752,105	37,154,025
1915	2,001,374	14,191,028	1920	3,146,159	48,021,090
1916	2,043,498	14,772,698	1921	2,395,962	32,711,248
1917	2,209,165	18,197,996			

[Navigation season opened Mar. 31, closed Nov. 29, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	*Mills.*
Vegetable food products: Fruit		10	10	$583	$583	60	(1)
Wood and paper products: Lumber (cull hardwood)	3,040		3,040	21,280	21,280	290	0.08621
Nonmetallic minerals			941,126		3,820,678		
Coal, bituminous	725,190			3,625,950		720	.00714
Stone, crushed	215,936			194,728		390	.01161
Ores, metals, manufactures of: Iron ore	760,396		760,396	3,055,162	3,055,162	823	.00809
Total	1,704,562	10	1,704,572		6,897,703		
SHIPMENTS, INTERNAL.							
Nonmetallic minerals			691,390		25,813,545		
Gasoline	511,665			22,732,545		468	(1)
Refined oil	179,725			3,081,000		468	(1)
Total	691,390		691,390		25,813,545		
Total receipts and shipments	2,395,952	10	2,395,962		32,711,248		

[1] Carried by owners.

SUMMARY.

Classes of commodities.	Tons.	Value.
Vegetable food products	10	$583
Wood and paper products	3,040	21,280
Nonmetallic minerals	1,632,516	29,634,223
Ores, metals, and manufactures of	760,396	3,055,162
Total	2,395,962	32,711,248

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INDIANA HARBOR, IND.—continued.

Vessels arrived and departed, 1921.

Class.	American.	Net registered tonnage.
Registered:		
Arrivals, steamers	135	1,054,875
Clearances, steamers	135	1,054,875
Total	270	2,109,750

Greatest draft of vessels arriving or departing in 1921, 20 feet.
NOTE.—Indiana Harbor is in the Chicago collection district of which it is a part.
Passengers carried, none.

MICHIGAN CITY HARBOR, IND.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1895	86,068	(1)	(1)	1909	20,804	(1)	192,211
1896	121,036	(1)	(1)	1910	26,196	(1)	196,492
1897	130,970	(1)	(1)	1911	27,063	(1)	184,231
1898	144,983	(1)	(1)	1912	33,170	(1)	177,523
1899	143,402	(1)	(1)	1913	21,398	$750,878	162,322
1900	120,135	(1)	(1)	1914	27,022	352,357	129,197
1901	111,949	(1)	(1)	1915	15,370	223,548	67,312
1902	139,115	(1)	(1)	1916	8,694	191,062	129,000
1903	117,329	(1)	(1)	1917	14,443	436,118	101,080
1904	67,888	(1)	(1)	1918	12,177	1,037,990	26,121
1905	91,910	(1)	(1)	1919	7,710	280,650	23,119
1906	89,170	(1)	(1)	1920	13,126	2,392,290	20,611
1907	66,125	(1)	(1)	1921	5,165	1,009,625	40,700
1908	33,448	(1)	(1)				

[1] No statistics available.

[Navigation season opened Apr. 27, closed Dec. 1, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
						Miles.	*Mills.*
Animals and animal products: Fish	515	.....	515	$115,875	$115,875	20	(1)
Unclassified: Miscellaneous package	.....	3,200	3,200	640,000	640,000	38	12.105
Total	515	3,200	3,715	.....	755,875	.....	.....
SHIPMENTS, INTERNAL.							
Unclassified: Miscellaneous package	.....	1,450	1,450	253,750	253,750	38	12.105
Total receipts and shipments	515	4,650	5,165	.....	1,009,625	.....	.....

[1] Carried by owners.

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MICHIGAN CITY HARBOR, IND.—continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	515	$115,875
Unclassified	4,650	893,750
Total	5,165	1,009,625

Vessels arrived and departed, 1921.

Class.	American.	Net registered tonnage.
Registered:		
Arrivals, steamers	56	21,968
Clearances, steamers	56	21,968
Total	[1] 112	43,936

[1] Mostly passenger boats.

Passengers carried, 40,700.

Greatest draft of vessels arriving or departing in 1921, 14.6 feet.

New line of transportation established: Late in the season The Chicago Steamship Lines (Inc.) entered the *Pere Marquette No. 2*, *Spokane*, and *Geo. W. Clyde* in the Chicago, Milwaukee, Michigan City, Detroit, and Buffalo freight traffic.

NOTE.—Michigan City is in the Chicago collection district, of which it is a part.

LA GRANGE LOCK, ILLINOIS RIVER.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1914	22,296	$587,855	1918	25,140	$1,973,180
1915	27,619	613,106	1919	22,072	2,360,143
1916	25,882	1,175,387	1920	37,690	2,911,294
1917	16,826	1,189,922	1921	30,352	1,927,597

Traffic and commerce passing through the La Grange Lock, Illinois River, during the calendar year 1921.

VESSEL TRAFFIC.

Kinds of craft.	Number.			Net registered tonnage.
	Up.	Down.	Total.	
Passenger boats	87	86	173	31,283
Towboats	146	147	293	14,943
Barges	182	192	374	67,615
Small craft	277	290	567	([1])
Total	692	715	1,407	113,841

[1] Not available.

Lockages, 780.

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LA GRANGE LOCK, ILLINOIS RIVER—continued.

COMMERCE.

Articles.	Short tons.			Value.
	Up.	Down.	Total.	
General merchandise	1,907	997	2,904	$406,560
Live stock	7,280	455	7,735	1,237,600
Grain	10,516	221	10,737	246,957
Coal [1]	.....	8,970	8,970	35,880
Apples	6	.....	6	600
Total	19,709	10,643	30,352	1,927,597

[1] Exclusive of coal used by United States.

Number of passengers carried, 6,747.

KAMPSVILLE LOCK, ILLINOIS RIVER.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1913	21,075	$1,164,202	1918	27,383	$4,009,100
1914	21,014	1,136,356	1919	18,131	2,764,784
1915	22,460	1,124,513	1920	30,325	4,233,148
1916	24,835	2,532,092	1921	14,517	1,705,683
1917	35,798	3,452,741			

Traffic and commerce passing through the Kampsville Lock, Illinois River, during the calendar year 1921.

VESSEL TRAFFIC.

Kinds of craft.	Number.			Net registered tonnage.
	Up.	Down.	Total.	
Passenger boats	118	119	237	42,459
Towboats	76	75	151	11,352
Barges	105	92	197	18,355
Small craft	402	427	829	(1)
Total	701	713	1,414	72,166

[1] Not available.

Lockages, 887.

COMMERCE.

Articles.	Short tons.			Value.
	Up.	Down.	Total.	
General merchandise	5,517	780	6,297	$881,580
Live stock	355	4,350	4,705	752,800
Grain	2,436	225	2,661	61,203
Coal [1]	.....	700	700	2,800
Apples	9	10	19	1,900
Shells	135	.....	135	5,400
Total	8,452	6,065	14,517	1,705,683

[1] Exclusive of coal used by United States.

Number of passengers carried, 6,971.

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DETROIT, MICH., DISTRICT.

ST. MARYS FALLS CANAL, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1887	5,494,649	$79,031,757	32,668	1905	44,270,680	$416,965,484	54,274
1888	6,411,423	82,156,019	25,558	1906	51,751,080	537,463,454	63,033
1889	7,516,022	83,732,527	25,712	1907	58,217,214	569,830,188	62,758
1890	9,041,213	102,214,948	24,856	1908	41,390,557	470,141,318	53,287
1891	8,888,759	128,178,208	26,190	1909	57,895,149	626,104,173	59,948
1892	11,214,333	135,117,267	25,806	1910	62,363,218	654,010,844	66,933
1893	10,796,572	145,436,957	18,869	1911	53,477,216	595,019,844	79,951
1894	13,195,860	143,114,502	27,236	1912	72,472,676	791,357,837	66,877
1895	15,062,580	159,575,129	31,656	1913	79,718,344	865,957,838	77,194
1896	16,239,061	195,146,842	37,066	1914	55,369,934	634,830,258	59,801
1897	18,982,755	218,235,927	40,213	1915	71,290,304	882,263,141	50,336
1898	21,234,664	233,069,740	43,426	1916	91,888,219	974,161,156	54,922
1899	25,255,810	281,364,750	49,082	1917	89,813,898	1,196,922,183	38,339
1900	25,643,073	267,041,959	58,555	1918	85,680,327	987,005,347	34,990
1901	28,403,065	289,906,855	59,663	1919	68,235,542	914,513,944	56,992
1902	35,961,146	358,306,300	59,377	1920	79,282,496	1,119,774,214	68,451
1903	34,674,437	349,405,014	55,175	1921	48,259,254	746,134,195	66,621
1904	31,546,106	334,502,686	37,695				

Statistical report of lake commerce through American and Canadian canals at Sault Ste. Marie, Mich., and Ontario, for the calendar year ending December 31, 1921.

Items.	United States canal.	Canadian canal.	Total.
Vessel passages ..... number	8,961	3,886	12,847
Lockages ..... do	6,587	3,066	9,653
Net tonnage:			
Registered	28,396,403	3,787,837	32,184,240
Freight	46,256,524	2,002,730	48,259,254
Passengers ..... number	23,904	42,717	66,621
Lumber ..... M ft. b. m.	180,645	25,661	206,306
Flour ..... barrels	5,750,240	4,467,065	10,217,305
Wheat ..... bushels	182,199,399	15,515,611	197,715,010
Grain ..... do	69,494,033	26,200,231	95,694,264
Copper ..... tons	24,542	6,991	31,533
Iron ore ..... do	22,467,708	127,615	22,595,323
Manufactured and pig iron ..... do	31,187	7,848	39,035
Coal, soft ..... do	12,414,829	92,198	12,507,027
Coal, hard ..... do	2,245,230	10,898	2,256,128
Salt ..... do	57,098	5,215	62,313
Oil ..... do	301,632	1	301,633
Stone ..... do	474,996	18,451	493,447
General merchandise ..... do	326,854	273,309	600,163

The United States canal was open to navigation 262 days during the calendar year The Canadian canal was open to navigation 252 days during the calendar year.

Summary of traffic through St. Marys Falls Canal, Mich., for the calendar year ending December 31, 1921.

Number of vessels through Poe Lock	1,464
Number of vessels through Third Lock	3,536
Number of vessels through Fourth Lock	3,961
	8,961
Number of lockages through Poe Lock	1,085
Number of lockages through Third Lock	2,632
Number of lockages through Fourth Lock	2,870
	6,587

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Total registered tonnage	28,396,403
Total freight tonnage	46,256,524
Total time spent in making lockages, 3,492 hours, 13 minutes.	
Average time spent in making lockages, 31 minutes 49 seconds.	
Cost of operating and care for calendar year	$196,028.27
Cost of operation per lockage	$29.76
Cost of operation per passage	$21.88
Cost of operation per registered ton ... mills	6.90
Cost of operation per freight ton ... do	4.24

The Poe Lock was open to navigation 191 days, from May 1 to November 7, 1921.

The Third Lock was open to navigation 253 days, from April 7 to December 15, 1921.

The Fourth Lock was open to navigation 244 days, from April 25 to December 24, 1921.

Statistics of Lake Commerce Passing Through the American and Canadian Canals at Sault Ste. Marie, Mich. and Ontario, during the Season of 1921.

[Compiled from official records at St. Marys Falls Canal, Mich.]

SOURCES OF INFORMATION FOR TRAFFIC DATA AND VALUATIONS.

Freight tonnage and passengers.—The freight unit used and designated as a "ton" means in every instance a ton of 2,000 pounds. The data relative to freight and passengers were compiled from reports made by vessel masters when passing through the American and Canadian canals. As a daily exchange of these reports is made with the Canadian canal, both offices have record of the entire lake traffic to and from Lake Superior.

Registered tonnage.—The term "registered tonnage" as used in this report means the net tonnage of the vessel, which is the cubical capacity in tons of 100 cubic feet each, available for cargo and passengers, and is obtained from vessel papers.

Freight rates.—These were compiled from information obtained from shippers, owners, and carriers of the several classes of freight. The freight rates given are for lake transportation and include cost of loading and unloading except in the case of coal.

Freight valuations.—The unit values used for the various items of freight were derived from daily or weekly prices current and from quotations by the principal shippers, owners, and carriers, and represent the values of the several commodities free on board dock at the lake ports of destination.

"General merchandise" covers all items not otherwise classified, including such commodities as package freight, cement, etc.; prior to 1916 it also included oils, broken stone, sand, and gravel. "Stone" represented building stone alone prior to 1916; it now includes broken stone, gravel, and sand.

The compilation was done by the clerical force of the United States canal office at Sault Ste. Marie, Mich., under the supervision of General Superintendent L. C. Sabin.

American and Canadian canals.—The total freight traffic of 48,259,254 tons for the season of 1921 when compared with the season of 1920 shows a decrease of 31,023,242 tons, or 39 per cent and the net registered tonnage of 32,184,240 shows a decrease of 26,009,843 tons, or 45 per cent.

The items of freight showing an increase when compared with the season of 1920 are lumber, flour, wheat, grain, hard and soft coal, and general merchandise.

The total number of passengers was 66,621, a decrease of 1,830.

The passages through both canals numbered 12,847, showing a decrease of 6,000, or 32 per cent.

The total lockages numbered 9,653, a decrease of 3,540, or 27 per cent.

The season of navigation covered a period of 8 months and 18 days, during which time the average monthly traffic was 5,611,541 tons and 3,742,353 tons net register.

Conditions at the wharves and in the channels of the Great Lakes system limited the draft of vessels to about 20 feet.

American canal.—The traffic through the American canal was 96 per cent of the total freight, 88 per cent of the total net registered tonnage, and 36 per cent of the total number of passengers carried, the amounts being 46,256,524 tons of freight, 28,396,403 tons register, and 23,904 passengers. Compared with the season of 1920 there was a decrease of 30,545,288 tons of freight, or 40 per cent; 24,658,889 tons register, or 46 per cent; and 1,095 passengers, or 4 per cent.

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The American canal records show that vessels necessarily spent 9,160 hours and 15 minutes in canal, or an average of 1 hour and 7 minutes, which includes time waiting for lockage and passage through locks and canal, the latter being 1⅝ miles long.

Other delays at the canal, which included taking on supplies, waiting for daylight or favorable weather, amounted to 1,980 hours and 54 minutes.

Vessels were delayed 2 hours and 48 minutes, due to operating the railway swing bridge.

Trains were delayed 59 hours and 13 minutes by passing boats temporarily preventing the closing of the drawbridges.

During the period of operation the swing bridge over the canal leading to the Poe Lock was closed 2,273 hours and 24 minutes, and the bascule bridge over the north canal leading to the Third and Fourth Locks was closed 1,640 hours and 42 minutes. During this time 3,082 engines and 5,753 passenger and 22,949 freight cars crossed the bridge.

The American canal was opened April 7 and closed December 24, 1921, making the length of its season 262 days.

Canadian canal.—The traffic through the Canadian canal was 4 per cent of the total freight, 12 per cent of the total registered tonnage, and 64 per cent of the total passengers carried, the amounts being 2,002,730 tons of freight, 3,787,837 tons register, and 42,717 passengers. Compared with the season of 1920 there was a decrease of 477,954 tons of freight, or 19 per cent; 1,350,954 tons register, or 26 per cent; and 735 passengers, or 2 per cent.

The Canadian canal was opened April 9 and closed December 16, 1921, making the length of its season 252 days.

General summary for American and Canadian canals together.

Total freight carried, tons	48,259,254
Total tons, net register	32,184,240
Total mile-tons	38,042,632,591
Total valuation placed on freight carried	$746,134,195
Total amount paid for freight carried	$43,344,174
Total number of registered vessels using canals	596
Total number of passages by unregistered craft carrying freight	235
Total valuation placed on registered vessels	$205,701,175
Total number of passengers transported	66,621
Average distance freight was carried, miles	788.3
Average cost per ton for freight transportation	$0.90
Average cost per mile per ton, mills	1.14
Average value per ton of freight carried	$15.46
Time American canal was operated, days	262
Time Canadian canal was operated, days	252
Freight carried by—	
Registered vessels, tons	48,136,703
Unregistered vessels, tons	122,551
American vessels, per cent	89
Canadian vessels, per cent	11
Passengers carried by—	
American vessels, per cent	35
Canadian vessels, per cent	65
Average number of vessels passing per day—	
Poe Lock	8
Third Lock	14
Fourth Lock	16
Canadian Lock	15
Poe, Third, Fourth, and Canadian Locks	49

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East and west bound traffic—East and west bound commerce passing both American and Canadian canals at Sault Ste. Marie, Mich. and Ontario, for the season of 1921.

EASTBOUND.

Articles.	Unit of measure.	United States canal.	Canadian canal.	Total.
Lumber	M ft. b. m	180,645	25,661	206,306
Flour	Barrels	5,750,240	4,467,065	10,217,305
Wheat	Bushels	182,199,399	15,515,611	197,715,010
Grain other than wheat	do	69,494,033	26,200,231	95,694,264
Copper	Short tons	24,542	6,991	31,533
Iron ore	do	22,457,888	127,615	22,585,503
Pig iron	do		526	526
Stone [1]	do	9,000	15,910	24,910
General merchandise	do	56,877	41,247	98,124
Passengers	Number	11,640	21,375	33,015

WESTBOUND.

Coal, soft	Short tons	12,414,829	92,198	12,507,027
Coal, hard	do	2,245,230	10,898	2,256,128
Iron ore	do	9,820		9,820
Manufactured iron and steel	do	31,187	7,322	38,509
Salt	do	57,098	5,215	62,313
Oil	do	301,632	1	301,633
Stone [1]	do	465,996	2,541	468,537
General merchandise	do	269,977	232,062	502,039
Passengers	Number	12,264	21,342	33,606

SUMMARY.

Vessel passages	Number	8,961	3,886	12,847
Registered tonnage	Net	28,396,403	3,787,837	32,184,240
Freight:				
Eastbound	Short tons	30,460,755	1,652,493	32,113,248
Westbound	do	15,795,769	350,237	16,146,006
Total freight	do	46,256,524	2,002,730	48,259,254

[1] Includes broken stone, gravel, and sand.

Monthly registered and freight tonnage, season 1921.

Month.	Net registered tonnage of vessels.			Freight carried (tons).		
	Eastbound.	Westbound.	Total.	Eastbound.	Westbound.	Total.
April	277,389	362,113	639,502	518,458	438,673	957,131
May	1,757,100	2,041,476	3,798,576	3,407,827	2,747,236	6,155,063
June	2,416,400	2,336,472	4,752,872	4,628,067	3,451,409	8,079,476
July	2,493,245	2,470,899	4,964,144	5,011,900	3,126,683	8,138,583
August	2,508,871	2,452,050	4,960,921	5,128,043	2,369,833	7,497,876
September	2,421,814	2,495,558	4,917,372	5,017,941	1,464,130	6,482,071
October	2,462,122	2,346,191	4,808,313	4,943,351	1,709,044	6,652,395
November	1,341,341	1,270,783	2,612,124	2,519,390	746,089	3,265,479
December	483,464	246,952	730,416	938,271	92,909	1,031,180
Total	16,161,746	16,022,494	32,184,240	32,113,248	16,146,006	48,259,254

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Value of total freight carried—Estimated value of total freight passing the canals at Sault Ste. Marie, Mich. and Ontario, for the season of 1921.

Items.	Unit of measure.	Quantity.	Price per unit.	Valuation.	Per cent of total value.
Lumber	M ft. b. m.	206,306	$42.00	$8,664,852	1.16
Flour	Barrels	10,217,305	8.00	81,738,440	48.97
Wheat	Bushels	197,715,010	1.12	221,440,811	
Grain, other than wheat	do	95,694,264	.65	62,201,272	
Copper	Tons	31,533	255.00	8,040,915	1.08
Iron ore	do	22,595,323	5.10	115,236,147	15.86
Pig iron	do	526	30.00	15,780	
manufactured iron and steel	do	38,509	85.00	3,273,265	
Coal, soft	do	12,507,027	5.50	68,788,649	12.70
Coal, hard	do	2,256,128	11.50	25,945,472	
Salt	do	62,313	9.00	560,817	20.21
Oil	do	301,633	47.50	14,327,568	
Stone	do	493,447	1.75	863,532	
General merchandise	do	600,163	225.00	135,036,675	
Total				746,134,195	100.00

The value of grain, other than wheat, as given in the above table, is computed as follows:

Articles.	Bushels.	Price per unit.	Total value.
Barley	17,524,000	$0.54	$9,462,960
Corn	5,066,000	.53	2,684,980
Flax	8,112,000	1.92	15,575,040
Oats	49,648,000	.37	18,369,760
Rye	15,345,000	1.05	16,112,250
Total	95,695,000	.65	62,204,990

Amount paid for carrying freight—Transportation charges, including loading and unloading, on freight passing through canals at Sault Ste. Marie, Mich. and Ontario, for the season of 1921.

Articles.	Unit of measure.	Quantity.	Rate per unit.	Amount.
Lumber	M ft. b. m.	206,306	$5.70	$1,175,944
Flour	Barrels	10,217,305	.36	3,678,230
Wheat	Bushels	197,715,010	.026	5,140,590
Grain, other than wheat	do	95,694,264	.026	2,488,051
Copper	Tons	31,533	5.00	157,665
Iron ore	do	22,595,323	.84	18,980,071
Pig iron	do	526	2.50	1,315
Manufactured iron and steel	do	38,509	2.50	96,273
Coal, soft	do	12,507,027	[1] .52	6,503,654
Coal, hard	do	2,256,128	[1] .52	1,173,187
Salt	do	62,313	1.25	77,891
Oil	do	301,633	1.25	377,041
Stone	do	493,447	1.00	493,447
General merchandise	do	600,163	5.00	3,000,815
Total				43,344,174

[1] Does not include loading and unloading.

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Comparative traffic, years 1920 and 1921—Lake commerce through the canals at Sault Ste. Marie, Mich. and Ontario, for the seasons of 1920 and 1921.

Items.	Unit of measure.	Total traffic for—		Increase or decrease.		
		Season 1920.	Season 1921.	Amount.	Per cent. In-crease.	Per cent. De-crease.
Vessels:						
Steamers	Number	16,336	10,779	5,557	.....	34
Sailing	....do	1,354	538	816	.....	60
Unregistered	....do	1,157	1,530	373	32	.....
Total	....do	18,847	12,847	6,000	.....	32
Lockages	....do	13,193	9,653	3,540	.....	27
Tonnage:						
Registered	Net	58,194,083	32,184,240	26,009,843	.....	45
Freight	Short tons	79,282,496	48,259,254	31,023,242	.....	39
Passengers	Number	68,451	66,621	1,830	.....	3
Lumber	M ft. b. m.	192,854	206,306	13,452	7	.....
Flour	Barrels	7,477,533	10,217,305	2,739,772	37	.....
Wheat	Bushels	143,456,487	197,715,010	54,258,523	38	.....
Grain	....do	51,630,135	95,694,264	44,064,129	85	.....
Copper	Short tons	51,545	31,533	20,012	.....	39
Iron ore	....do	56,780,498	22,595,323	34,185,175	.....	60
Manufactured and pig iron	....do	76,194	39,035	37,159	.....	49
Coal, soft	....do	12,096,993	12,507,027	410,034	3	.....
Coal, hard	....do	2,059,266	2,256,128	196,862	10	.....
Salt	....do	99,208	62,313	36,895	.....	37
Oil	....do	353,489	301,633	51,856	.....	15
Stone	....do	563,271	493,447	69,824	.....	12
General merchandise	....do	556,110	600,163	44,053	8	.....

Interlake traffic—Freight between Lake Superior and each of the other lakes, classified with reference to American and Canadian vessels and ports.

Freight carried by—	Ports.		Eastbound from Lake Superior to—				Total.
	From—	To—	Lake Michigan.	Lake Huron.	Lake Erie.	Lake Ontario.	
American vessels	American	American	5,306,208	55,314	19,862,978	4,023	25,228,523
Do	....do	Canadian	.....	306,958	18,461	3,556	328,975
Do	Canadian	American	44,843	48,737	2,669,635	.....	2,763,215
Canadian vessels	....do	Canadian	.....	2,555,575	794,366	103,164	3,453,105
Do	....do	American	2,439	.....	157,592	.....	160,031
Do	American	Canadian	.....	173,576	.....	5,823	179,399
Total eastbound	.....	.....	5,353,490	3,140,160	23,508,082	116,566	32,113,248

Freight carried by—	Ports.		Westbound to Lake Superior from—				Total.
	From—	To—	Lake Michigan.	Lake Huron.	Lake Erie.	Lake Ontario.	
American vessels	American	American	327,300	453,953	12,083,194	14,500	12,878,947
Do	....do	Canadian	20,822	777	1,795,006	.....	1,816,605
Do	Canadian	American	.....	.....	.....	.....	.....
Canadian vessels	....do	Canadian	.....	268,755	38,465	67,601	374,821
Do	....do	American	.....	.....	.....	2,241	2,241
Do	American	Canadian	11,204	12,355	1,045,935	3,898	1,073,392
Total westbound	.....	.....	359,326	735,840	14,962,600	88,240	16,146,006
Grand total	.....	.....	5,712,816	3,876,000	38,465,632	204,806	48,259,254

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Vessel classification, valuation, etc.—Classification of American and Canadian vessels, showing valuation and registered tonnage, and the freight and passengers carried through the canals at Sault Ste. Marie, Michigan and Ontario, during the season of 1921.

AMERICAN VESSELS.

Class.	Number.	Valuation.	Tonnage.		Passengers.
			Registered.	Freight.	
Steamers	410	$182,710,450	1,307,804	42,807,125	23,222
Sailing and unrigged craft	50	3,360,250	63,207	196,110	.....
Unregistered	.....	.....	.....	13,030	.....
Total	460	186,070,700	1,371,011	43,016,265	23,222

CANADIAN VESSELS.

Steamers	111	$19,356,275	152,791	5,106,150	43,399
Sailing and unrigged craft	25	274,200	5,484	27,318	.....
Unregistered	.....	.....	.....	109,521	.....
Total	136	19,630,475	158,275	5,242,989	43,399
Grand total	596	205,701,175	1,529,286	48,259,254	66,621

American vessels carried 89 per cent of the total freight and 35 per cent of the total passengers.

Canadian vessels carried 11 per cent of the total freight and 65 per cent of the total passengers.

Unregistered American craft carried 13,030 tons of freight in 64 passages, or an average of 204 tons per passage.

Unregistered Canadian craft carried 109,521 tons of freight in 171 passages, or an average of 640 tons per passage.

Of the 12,847 passages for the season, 2,632 were by 104 vessels under 100 tons register, with an average register of 36 tons. The total freight carried by such craft amounted to 6,132 tons.

Average and limiting dimensions of vessels classified by maximum freight cargoes.

Freight tons in largest cargo.	Length.			Beam.			Actual draft.		
	Maximum.	Minimum.	Average.	Maximum.	Minimum.	Average.	Maximum.	Minimum.	Average.
	Feet.	*Feet.*	*Feet.*	*Feet.*	*Feet.*	*Feet.*	*Feet.*	*Feet.*	*Feet.*
Less than 100	366	38	104.6	45.2	9.0	19.6	17.0	3.0	8.3
100 to 1,000	360	80	174.2	45.2	20.7	30.7	17.0	4.0	12.9
1,000 to 2,000	376	120	231.3	52.0	25.6	36.1	18.2	8.0	13.8
2,000 to 3,000	365	216	280.9	50.0	34.4	41.9	19.3	13.0	16.5
3,000 to 4,000	375	249	293.3	53.6	38.1	43.0	20.0	15.7	18.5
4,000 to 5,000	415	317	362.7	50.5	41.0	45.2	19.4	17.0	18.5
5,000 to 6,000	436	364	381.0	50.5	44.2	47.4	20.0	17.3	19.4
6,000 to 7,000	462	364	385.6	52.0	44.8	48.6	20.5	18.3	19.6
7,000 to 8,000	478	400	432.1	55.0	41.5	50.1	20.8	19.0	20.0
8,000 to 9,000	476	416	450.7	56.2	48.2	51.2	20.8	18.8	20.1
9,000 to 10,000	567	460	491.3	56.2	50.0	52.7	20.7	19.3	20.2
10,000 to 11,000	602	500	519.5	58.0	50.2	54.0	20.8	19.0	20.2
11,000 to 12,000	569	500	538.0	58.3	52.0	55.3	20.8	19.3	20.3
12,000 to 13,000	606	524	556.8	60.2	55.0	57.2	20.8	19.8	20.3
13,000 to 14,000	617	569	600.6	64.2	56.0	58.8	20.8	19.5	20.3
14,000 to 15,000	605	600	601.3	60.0	58.0	59.8	20.5	20.0	20.3
15,000 and over	625	625	625.0	59.2	59.2	59.2	20.8	20.8	20.8

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Average and maximum dimensions of, and percentage of total freight carried by, vessels of different classes.

Class.	Number of boats of class using canal.	Aggregate registered tonnage.	Average registered tonnage.	Average length.	Maximum length.	Maximum beam.
Tons net register between—	*Number.*	*Tons.*	*Tons.*	*Feet.*	*Feet.*	*Feet.*
1 and 1,000	202	48,096	238	138	261	43.6
1,000 and 2,000	67	96,256	1,437	277	375	55.0
2,000 and 3,000	53	139,486	2,632	380	472	52.0
3,000 and 4,000	102	356,852	3,499	429	509	56.2
4,000 and 5,000	84	389,809	4,641	513	578	58.3
5,000 and 6,000	68	372,804	5,482	567	606	60.2
6,000 and over	20	125,983	6,299	603	625	64.2
Unregistered	.....	.....	.....	.....	.....	.....
Total	596	1,529,286	.....	.....	.....	.....

Class.	Number of passages of vessels of class.	Aggregate freight carried by vessels of class.	Average cargo.[1]	Percentage of total freight carried by class.
Tons net register between—	*Number.*	*Tons.*	*Tons.*	
1 and 1,000	3,544	358,954	101	1
1,000 and 2,000	796	1,350,401	1,696	3
2,000 and 3,000	1,225	3,742,958	3,055	8
3,000 and 4,000	1,547	8,145,633	5,265	17
4,000 and 5,000	1,878	14,320,189	7,625	29
5,000 and 6,000	1,714	14,528,529	8,476	30
6,000 and over	615	5,690,039	9,252	12
Unregistered	1,528	122,551	80	.....
Total	12,847	48,259,254	.....	100

[1] The "average cargo" as here given is the average cargo per passage; in obtaining these figures the passages when no cargo was carried are included.

Vessel dimensions—Classification of registered vessels as to length and beam over all.

NONFREIGHT CARRIERS: TUGS, YACHTS, ETC.

Length (feet).	Beam (feet).	Years.																
		1905	1906	1907	1908	1909	1910	1911	9112	1913	1914	1915	1916	1917	1918	1919	1920	1921
30 to 99	8 to 29	58	67	61	61	53	53	56	64	52	69	59	88	71	85	76	59	76
100 to 199	12 to 32	4	14	18	25	31	32	24	20	19	43	28	58	31	34	30	29	25
200 to 299	26 to 40	....	....	....	....	3	2	5	6	1	4	7	5	9	13	30	4	4
300 to 399	45 to 96	1	1	1	1	1	1	1	0	0	2	1	1	1	0	0	0	7
400 to 499	45 to 98	....	....	....	....	....	....	....	....	1	1	0	1	0	0	0	0	4

FREIGHT CARRIERS.

30 to 99	8 to 28	26	13	10	10	8	12	7	10	13	22	15	48	25	40	35	37	45
100 to 199	21 to 39	194	170	150	113	121	100	101	96	94	89	83	74	66	50	57	42	30
200 to 299	32 to 43	293	258	247	223	224	234	177	203	212	171	166	125	108	84	75	73	70
300 to 399	38 to 50	183	171	177	136	161	152	130	156	157	126	147	156	149	122	113	113	69
400 to 499	45 to 53	128	128	141	137	157	162	145	159	160	144	155	156	158	158	155	155	113
500 to 599	52 to 60	23	57	70	96	104	121	95	113	115	113	116	117	121	121	120	120	109
600 and over	58 to 64	....	....	4	4	7	8	24	26	28	29	29	34	41	42	42	46	44
Total	.....	910	879	879	806	870	877	765	853	852	813	806	863	780	749	733	678	596

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Yearly summaries since 1889—Total freight, its valuation, freight charges, average haul or distance freight was carried, and rate per ton per mile.

Year.	Total freight.	Valuation of freight.	Freight charges.	Average haul.	Freight charges per mile-ton.	Value of American craft.	Value of Canadian craft.
	Tons.			*Miles.*	*Mills.*		
1889	7,516,022	$83,732,527	$8,634,246	790.4	1.5	$25,328,600	$1,597,600
1890	9,041,213	102,214,948	9,472,214	797.2	1.3	27,857,700	1,777,800
1891	8,888,759	128,178,208	9,849,022	820.4	1.35	31,947,300	2,119,500
1892	11,214,333	135,117,267	12,072,850	822.4	1.31	36,220,100	2,108,700
1893	10,796,572	145,436,957	9,957,483	831.9	1.1	39,017,400	2,115,700
1894	13,195,860	143,114,502	10,798,310	821.1	.99	41,124,200	1,959,800
1895	15,062,580	159,575,129	14,238,758	830.0	1.14	40,858,800	2,087,000
1896	16,239,061	195,146,842	13,511,615	836.4	.99	43,006,200	2,135,300
1897	18,982,755	218,235,927	13,220,099	841.3	.83	42,375,700	2,001,400
1898	21,234,664	233,069,740	14,125,896	842.6	.79	45,199,800	2,491,900
1899	25,255,810	281,364,750	21,959,707	827.2	1.05	65,000,520	3,369,600
1900	25,643,073	267,041,959	24,953,314	825.9	1.18	66,116,583	3,618,576
1901	28,403,065	289,906,865	23,217,974	823.3	.99	57,244,200	3,311,900
1902	35,961,146	358,306,300	26,566,189	827.4	.89	67,205,000	3,792,400
1903	34,674,437	349,405,014	26,727,735	835.6	.92	68,252,800	6,384,500
1904	31,546,106	334,502,686	21,552,894	843.5	.81	63,789,300	5,377,100
1905	44,270,680	416,965,484	31,420,585	833.3	.85	73,211,300	5,429,000
1906	51,751,080	537,463,454	36,666,889	842.4	.84	88,392,000	6,140,500
1907	58,217,214	569,830,188	38,457,345	828.3	.80	102,525,500	7,918,000
1908	41,390,557	470,141,318	23,903,244	842.0	.69	101,643,000	10,054,000
1909	57,895,149	626,104,173	36,291,948	809.0	.78	116,192,000	10,707,000
1910	62,363,218	654,010,844	38,710,904	840.0	.74	123,061,500	11,675,000
1911	53,477,216	595,019,844	29,492,196	826.0	.67	109,336,000	12,211,500
1912	72,472,676	791,357,837	40,578,225	831.0	.67	125,618,800	12,927,500
1913	79,718,344	865,957,838	44,380,864	830.0	.68	127,125,800	15,295,700
1914	55,369,934	634,800,268	27,597,099	832.8	.60	117,211,000	17,420,700
1915	71,290,304	882,263,141	41,984,031	832.0	.71	123,472,700	15,936,700
1916	91,888,219	974,161,156	60,845,023	824.0	.80	129,170,500	15,757,700
1917	89,813,898	1,196,922,183	89,277,226	820.0	1.21	229,538,875	18,247,475
1918	85,680,327	987,005,347	83,507,638	818.2	1.19	223,757,625	17,583,550
1919	68,235,542	914,513,944	58,478,567	815.0	1.05	223,162,200	17,409,450
1920	79,282,496	1,119,774,214	85,741,850	816.1	1.33	222,422,100	17,461,650
1921	48,259,254	746,134,195	43,344,174	788.3	1.14	186,070,700	19,630,475

Yearly statement of freight carried by steamers and other vessels.

Year.	Steamers.		Sailing and unrigged craft.		Unregistered craft.		Total freight.	Percentage of freight carried by steamers.
	Number in commission.	Freight carried.	Number in commission.	Freight carried.	Number of passages.	freight carried.		
		Tons.		*Tons.*		*Tons.*	*Tons.*	
1890	369	6,291,873	229	2,743,839	447	5,501	9,041,213	70
1891	396	6,420,939	256	2,456,091	447	11,729	8,888,759	72
1892	460	7,960,477	275	3,242,441	227	11,415	11,214,333	70
1893	459	7,723,153	294	3,034,084	213	39,335	10,796,572	72
1894	493	9,795,752	321	3,381,860	172	18,248	13,195,860	74
1895	522	10,581,474	355	4,464,671	232	16,435	15,062,580	70
1896	509	11,878,089	350	4,349,083	210	11,889	16,239,061	73
1897	525	13,163,667	323	5,790,326	377	28,762	18,982,755	69
1898	523	14,569,066	333	6,653,157	286	12,441	21,234,664	69
1899	542	17,801,213	290	7,423,311	366	31,286	25,255,810	71
1900	569	19,586,750	310	5,999,184	454	57,139	25,643,073	76
1901	598	21,186,571	295	7,166,694	413	49,800	28,403,065	75
1902	656	28,465,068	279	7,431,230	490	64,848	35,961,146	79
1903	652	28,042,546	243	6,594,304	361	37,587	34,674,437	81
1904	652	25,720,437	234	5,769,060	513	56,609	31,546,106	81
1905	692	37,724,522	218	6,479,506	729	66,652	44,270,680	85
1906	698	45,872,051	181	5,780,211	810	98,818	51,751,080	89
1907	727	52,937,151	152	5,249,806	346	30,257	58,217,214	91
1908	677	38,144,570	129	3,224,048	286	21,939	41,390,557	92
1909	742	53,649,833	128	4,221,264	242	24,052	57,895,149	93
1910	750	58,039,752	127	4,294,372	398	29,094	62,363,218	93
1911	656	49,580,133	109	3,866,487	421	30,596	53,477,216	93
1912	735	68,008,313	118	4,292,278	535	172,085	72,472,676	94
1913	735	75,173,822	117	4,260,822	694	283,700	79,718,344	94
1914	669	52,063,466	144	3,221,747	375	84,721	55,369,934	94
1915	688	67,098,814	118	4,091,056	482	100,434	71,290,304	94
1916	691	87,108,550	172	4,722,990	263	56,679	91,888,219	95
1917	663	85,566,016	117	4,129,273	402	118,609	89,813,898	95
1918	616	81,847,161	133	3,776,824	248	56,342	85,680,327	96
1919	629	65,682,354	104	2,490,338	218	62,350	68,235,542	96
1920	592	76,495,144	86	2,748,069	206	39,283	79,282,496	96
1921	521	47,913,275	75	223,428	235	122,551	48,259,254	99

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Table showing yearly change in class of freighters as listed from their maximum freight cargoes.

NUMBER OF STEAMERS.

Year.	Tons in maximum cargo between—												
	1 and 1,000.	1,000 and 2,000.	2,000 and 3,000.	3,000 and 4,000.	4,000 and 5,000.	5,000 and 6,000.	6,000 and 7,000.	7,000 and 8,000.	8,000 and 10,000.	10,000 and 12,000.	12,000 and 14,000.	14,000 and over.	Total.
1902	180	115	84	133	27	32	37	43	5	.....	.....	.....	656
1903	173	104	71	136	24	37	42	52	13	.....	.....	.....	652
1904	183	78	73	131	26	26	45	56	33	1	.....	.....	652
1905	164	96	80	130	31	19	40	55	57	17	3	.....	692
1906	161	95	70	121	29	19	35	78	42	36	12	.....	698
1907	158	90	61	115	27	16	43	47	93	55	22	.....	727
1908	138	93	67	92	21	12	33	42	88	65	26	.....	677
1909	162	73	67	104	17	30	43	55	90	77	24	.....	742
1910	144	69	79	105	29	23	45	76	73	84	23	.....	750
1911	139	63	74	69	26	29	41	69	74	64	8	.....	656
1912	138	64	82	89	25	27	48	73	64	96	29	.....	735
1913	128	67	73	92	22	25	47	63	85	93	36	4	735
1914	138	59	64	66	24	23	42	51	75	88	39	.....	669
1915	124	61	62	74	22	30	41	66	78	97	30	3	688
1916	119	78	51	61	25	21	39	47	98	73	59	20	691
1917	131	49	34	57	24	21	44	41	97	77	53	35	663
1918	136	39	18	46	9	15	44	47	94	81	62	25	616
1919	162	42	22	28	14	15	38	43	96	79	64	27	629
1920	124	27	31	26	13	20	37	45	94	76	56	43	592
1921	129	33	29	25	10	16	26	37	69	83	55	9	521

NUMBER OF SAILING AND UNRIGGED CRAFT.

1902	56	126	28	26	11	7	17	2	6	.....	.....	.....	279
1903	39	115	18	26	12	4	21	2	6	.....	.....	.....	243
1904	45	103	20	23	11	4	19	3	6	.....	.....	.....	234
1905	39	94	21	18	13	3	17	5	8	.....	.....	.....	218
1906	30	82	16	13	8	5	17	4	6	.....	.....	.....	181
1907	34	65	10	10	7	4	15	5	2	.....	.....	.....	152
1908	27	55	9	4	4	7	14	2	7	.....	.....	.....	129
1909	20	57	11	6	8	2	15	3	6	.....	.....	.....	128
1910	16	58	14	3	10	2	16	3	5	.....	.....	.....	127
1911	19	51	5	2	9	8	8	5	2	.....	.....	.....	109
1912	15	56	7	3	10	4	15	3	5	.....	.....	.....	118
1913	16	52	10	6	7	3	14	3	6	.....	.....	.....	117
1914	71	40	3	2	4	3	13	3	5	.....	.....	.....	144
1915	49	31	5	2	6	2	15	3	5	.....	.....	.....	118
1916	86	44	2	6	7	3	15	2	7	.....	.....	.....	172
1917	43	38	4	5	6	1	16	2	7	.....	.....	.....	117
1918	70	27	2	1	6	2	16	3	6	.....	.....	.....	133
1919	48	24	3	1	3	2	14	4	5	.....	.....	.....	104
1920	38	18	1	1	2	5	13	2	6	.....	.....	.....	86
1921	56	13	1	1	3	1	.....	.....	.....	.....	.....	.....	75

STEAMERS, SAILING AND UNRIGGED CRAFT COMBINED.

1895	279	400	176	18	4	.....	.....	.....	.....	.....	.....	.....	877
1896	281	335	168	43	21	11	.....	.....	.....	.....	.....	.....	859
1897	262	280	133	111	26	28	8	.....	.....	.....	.....	.....	848
1898	273	266	116	118	26	34	18	5	.....	.....	.....	.....	856
1899	243	245	109	139	22	32	27	10	5	.....	.....	.....	832
1900	275	247	117	125	23	36	25	23	8	.....	.....	.....	879
1901	250	235	112	149	30	41	33	33	10	.....	.....	.....	893
1902	236	241	112	159	38	39	54	45	11	.....	.....	.....	935
1903	172	259	89	162	36	41	63	54	19	.....	.....	.....	895
1904	228	181	93	154	37	30	64	59	39	1	.....	.....	886
1905	203	190	101	148	44	22	57	60	65	17	3	.....	910
1906	191	177	86	134	37	24	52	82	48	36	12	.....	879
1907	192	155	71	125	34	20	58	52	95	55	22	.....	879
1908	165	148	76	96	25	19	47	44	95	65	26	.....	806
1909	182	130	78	110	25	32	58	58	96	77	24	.....	870
1910	160	127	93	108	39	25	61	79	78	84	23	.....	877
1911	158	114	79	71	35	37	49	74	76	64	8	.....	765
1912	153	120	89	92	35	31	63	76	69	96	29	.....	853
1913	144	119	83	98	29	28	61	66	91	93	36	4	852
1914	209	99	67	68	28	26	55	54	80	88	39	.....	813
1915	173	92	67	76	28	32	56	69	83	97	30	3	806
1916	205	122	53	67	32	24	54	49	105	73	59	20	863
1917	174	82	38	62	30	22	60	43	104	77	53	35	780
1918	206	66	20	47	15	17	60	50	100	81	62	25	749
1919	210	66	25	29	17	17	52	47	100	79	64	27	733
1920	162	45	32	27	15	25	50	47	100	76	56	43	678
1921	185	46	30	26	13	17	26	37	69	83	55	9	596

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Yearly individual maximum records of freight steamers.

Year.	Largest single cargo.	Greatest amount of freight carried.	Greatest number of miles run.	Greatest number of mile-tons.
1903	8,914	164,763	45,330	158,843,973
1904	11,536	177,729	33,516	158,410,487
1905	12,368	274,401	41,374	249,069,482
1906	13,272	313,434	42,986	249,353,656
1907	13,800	339,151	43,296	277,091,699
1908	13,978	289,962	37,600	243,067,661
1909	13,664	312,196	44,443	280,616,209
1910	13,048	309,339	43,663	267,090,213
1911	12,544	321,338	44,054	281,764,932
1912	13,511	374,014	46,335	327,758,306
1913	14,280	442,341	43,505	395,562,699
1914	13,750	355,864	42,296	307,852,671
1915	14,289	377,620	49,995	332,331,125
1916	15,347	464,725	51,347	410,549,636
1917	15,309	419,742	48,059	349,008,691
1918	15,148	464,224	45,851	421,269,388
1919	15,500	378,142	43,258	313,908,388
1920	15,581	417,821	46,057	361,216,408
1921	15,456	395,798	47,705	328,368,696

Names of steamers making maximum records.

Year.	Steamer.			
1903	Wm. Edenborn	John W. Gates	Buffalo	Bransford.
1904	Aug. B. Wolvin	Aug. B. Wolvin	Huronic	Aug. B. Wolvin.
1905	E. H. Gary	do	Duluth	Do.
1906	J. P. Morgan	E. H. Gary	E. H. Gary	E. H. Gary.
1907	do	J. P. Morgan	J. P. Morgan	J. P. Morgan.
1908	D. J. Morrell	do	do	D. J. Morrell.
1909	E. Y. Townsend	E. Y. Townsend	E. Y. Townsend	E. Y. Townsend.
1910	W. B. Schiller	H. H. Rogers	D. J. Morrell	H. H. Rogers.
1911	Alva C. Dinkey	Shenango	Wm. E. Corey	Shenango.
1912	Col. J. M. Schoonmaker	Col. J. M. Schoonmaker	do	Col. J. M. Schoonmaker
1913	Jas. A. Farrell	do	The Harvester	Do.
1914	W. G. Morden	Shenango	W. B. Dickson	Shenango.
1915	do	P. Roberts, jr	Jas. A. Farrell	E. Y. Townsend.
1916	Col. J. M. Schoonmaker	Col. J. M. Schoonmaker	Wm. P. Palmer	Col. J. M. Schoonmaker
1917	E. W. Pargny	Wm. A. McGonagle	Wm. A. McGonagle	Wm. P. Snyder, jr.
1918	D. G. Kerr	Col. J. M. Schoonmaker	do	Wm. J. Filbert.
1919	W. G. Morden	Homer D. Williams	Eugene W. Pargny	Homer D. Williams.
1920	W. J. Filbert	E. W. Pargny	N. F. Leopold	E. L. Ford.
1921	W. Grant Morden	Merton E. Farr	Joseph Block	Merton E. Farr.

Maximum number of lockages in one day.

Lock.	Date.	Number of lockages.	Number of ships.	Registered tonnage.	Freight tonnage.
				Net.	
Weitzel	July 19, 1895	41	100	79,197	58,897
Poe	July 19, 1915	38	64	103,537	16,709
Third	July 9, 1916	31	46	185,664	257,546
Fourth	Nov. 28, 1921	25	30	98,107	161,692
Canadian	June 8, 1910	39	39	143,526	253,347

Maximum freight for one day.

Lock.	Date.	Number of lockages.	Number of ships.	Registered tonnage.	Freight tonnage.
				Net.	
Weitzel	Sept. 9, 1895	31	98	85,192	105,542
Poe	Sept. 2. 1907	28	49	160,179	295,542
Third	July 28, 1919	25	51	214,117	463,482
Fourth	July 15, 1920	19	39	163,131	381,041
Canadian	June 2, 1913	33	43	154,739	291,963

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American and Canadian canals.

The maximum freight traffic for a single day was on October 5, 1916, when 640,782 tons passed through t he canals. The vessel passages on this day numbered 129, the aggregate registered tonnage being 378,125.

Freight rates for water transportation to and from Lake Superior.

Year.	Coal.	Flour.	Wheat.	Grain (other than wheat).	Manufactured iron.	Pig iron.	Salt.
	Ton.	*Barrel.*	*Bushel.*	*Bushel.*	*Ton.*	*Ton.*	*Ton.*
1887	$0.90	$0.29	$0.07	$0.07	$2.35	$2.35	$1.20
1888	.70	.175	.085	.043	1.80	1.30	1.07
1889	.47	.18	.04	.033	2.10	1.45	1.20
1890	.45	.13	.03	.02	1.34	1.35	1.00
1891	.43	.15	.046	.035	2.50	1.17	1.20
1892	.41	.165	.036	.038	2.15	1.23	1.00
1893	.40	.17	.028	.028	2.00	1.30	.80
1894	.40	.14	.025	.028	.90	1.15	.80
1895	.37	.14	.044	.045	1.50	1.05	.87
1896	.32	.11	.025	.023	1.40	1.05	1.00
1897	.30	.10	.017	.02	1.40	1.05	1.00
1898	.25	.10	.02	.02	1.40	1.05	1.00
1899	.46	.13	.036	.036	1.70	1.50	1.01
1900	.44	.12	.02	.02	2.00	1.50	1.00
1901	.38	.12	.023	.022	2.00	1.50	1.01
1902	.45	.12	.019	.019	2.00	1.50	1.02
1903	.53	.12	.016	.016	2.00	1.50	1.02
1904	.40	.13	.018	.018	2.00	1.50	.67
1905	.33	.14	.023	.023	2.00	1.50	.68
1906	.35	.18	.022	.022	2.00	1.50	.81
1907	.31	.20	.019	.019	1.80	1.50	.81
1908	.30	.22	.012	.012	1.80	1.50	1.01
1909	.31	.23	.02	.02	1.80	1.50	1.01
1910	.31	.23	.0133	.0133	1.80	1.50	.68
1911	.31	.23	.0117	.0117	1.80	1.50	.67
1912	.30	.20	.0250	.0250	2.00	1.00	.67
1913	.30	.17	.0220	.0220	2.00	.80	.54
1914	.30	.17	.0135	.0135	2.00	.70	.47
1915	.30	.19	.0355	.0355	2.00	.90	.47
1916	.30	.20	.042	.042	2.00	1.50	.80
1917	.45	.23	.052	.052	2.00	1.50	1.25
1918	.48	.41	.046	.046	2.00	.....	1.30
1919	.425	.30	.037	.037	2.00	2.00	1.25
1920	.52	.30	.05	.05	2.50	2.50	1.25
1921	.52	.36	.026	.026	2.50	2.50	1.25

Year.	Copper.	Iron ore.	Lumber.	Silver ore.	Stone.	General merchandise.
	Ton.	*Ton.*	*Mft. b. m.*	*Ton.*	*Ton.*	*Ton.*
1887	$2.60	$1.75	$4.00	$3.00	$1.15	$4.00
1888	2.35	1.28	2.80	1.90	2.05	3.00
1889	2.25	1.14	2.70	1.90	2.02	3.00
1890	2.38	1.10	2.38	2.25	2.00	2.75
1891	2.00	.98	2.70	2.25	2.00	3.58
1892	1.40	1.00	2.95	2.25	1.67	3.60
1893	1.75	.80	2.35	2.25	1.36	3.00
1894	1.95	.70	1.90	2.25	1.28	2.75
1895	1.66	.82	2.00	2.33	1.20	2.50
1896	1.95	.82	1.80	2.33	1.50	2.30
1897	1.95	.65	1.55	2.33	1.50	2.30
1898	2.00	.60	1.65	.....	1.50	2.40
1899	2.00	.70	3.00	2.50	2.00	2.50
1900	1.60	1.05	2.30	2.00	1.50	2.00
1901	1.65	.78	2.55	.....	1.50	2.25
1902	1.40	.68	2.45	2.00	1.50	2.00
1903	1.43	.75	2.50	.....	1.50	2.00
1904	1.45	.63	2.55	2.00	1.50	2.00
1905	1.25	.68	2.45	2.00	1.50	2.00
1906	1.50	.67	2.70	.....	1.50	2.00
1907	1.40	.67	2.50	.....	1.50	2.00
1908	1.20	.58	2.60	.....	1.50	2.00
1909	1.10	.59	2.40	.....	1.50	2.00
1910	1.50	.62	2.35		1.50	2.00
1911	1.50	.53	2.50		1.50	2.00
1912	1.45	.45	2.65	Oil.	1.50	2.50
1913	1.40	.49	2.60		1.50	2.25
1914	1.35	.45	2.75		.....	2.00
1915	1.35	.44	2.75	*Ton.*	.....	2.00
1916	2.00	.57	3.40	$0.50	.50	2.35
1917	2.00	1.00	5.30	1.00	.60	2.35
1918	2.00	1.00	5.60	1.00	.75	2.50
1919	4.00	.90	5.50	1.25	1.00	3.50
1920	4.00	1.08	7.25	1.00	1.00	4.00
1921	5.00	.84	5.70	1.25	1.00	5.00

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Total values of freight carried through the canals since 1887.

Year.	Coal (hard and soft).	Flour.	Wheat.	Grain (other than wheat).	Manufactured iron.	Pig iron.	Salt.
1887	$4,735,454	$7,863,675	$22,634,590	$759,653	$3,035,750	$241,468	$204,908
1888	7,367,644	10,953,625	18,224,424	1,981,862	2,442,950	252,348	210,433
1889	5,702,190	11,143,535	15,907,217	2,090,580	1,577,250	442,272	168,250
1890	7,619,238	16,195,520	15,893,022	2,003,496	4,680,750	386,104	179,431
1891	8,776,362	18,900,715	38,040,239	1,011,462	2,128,000	462,077	234,528
1892	10,164,931	21,672,540	30,746,085	933,346	2,988,600	709,716	275,740
1893	10,528,420	29,682,096	32,611,239	1,346,993	2,852,300	550,902	228,780
1894	8,191,917	33,621,649	22,316,469	772,504	1,805,350	331,452	237,461
1895	6,993,351	33,383,632	30,071,863	4,164,347	3,683,150	346,788	202,439
1896	8,452,073	34,199,003	47,442,347	10,704,748	4,696,200	377,298	178,136
1897	9,456,824	40,145,144	48,654,143	11,449,256	6,092,400	176,437	214,086
1898	10,334,461	33,056,683	49,871,997	13,039,192	10,709,350	476,775	226,170
1899	12,854,278	25,610,929	43,798,001	17,700,552	19,111,000	457,762	237,252
1900	14,620,840	27,042,752	28,312,511	14,071,953	11,551,000	351,313	328,895
1901	15,492,226	24,811,637	36,440,719	22,779,703	17,609,800	485,520	332,830
1902	16,570,398	31,185,810	55,216,295	25,521,556	20,323,380	277,925	288,149
1903	24,898,407	31,920,210	49,107,612	22,787,909	18,385,950	522,440	318,417
1904	19,657,221	25,907,959	52,425,313	23,121,694	18,512,600	672,885	255,821
1905	20,706,302	30,018,139	61,489,159	25,891,505	18,195,100	872,409	296,185
1906	25,136,044	27,280,470	67,417,086	38,583,640	29,614,880	387,002	351,121
1907	34,461,584	32,623,850	98,135,775	36,074,571	23,002,800	474,440	345,602
1908	28,868,837	29,947,969	107,102,292	37,374,381	20,275,950	331,835	410,417
1909	29,044,855	38,308,545	120,018,775	39,541,533	36,122,025	707,380	488,318
1910	41,392,801	36,974,730	88,330,213	30,611,478	31,654,320	808,335	396,458
1911	48,552,057	34,058,527	97,627,621	32,626,087	29,773,920	601,425	529,046
1912	49,303,871	40,665,119	167,993,430	53,839,146	50,324,800	374,564	465,743
1913	58,927,341	47,488,902	184,339,356	85,295,080	30,412,160	311,400	547,833
1914	46,173,087	47,118,162	156,896,595	48,520,031	17,704,320	262,636	582,908
1915	42,359,320	48,512,388	293,803,792	44,702,940	15,534,480	255,200	454,569
1916	55,916,681	74,750,839	316,488,641	78,279,231	13,372,960	620,066	547,289
1917	99,271,727	96,329,419	438,722,700	83,595,586	9,145,800	377,152	550,264
1918	94,984,144	89,282,957	279,797,373	48,048,969	3,876,700	.....	688,560
1919	74,079,978	88,963,094	261,590,150	68,554,649	9,108,480	115,710	751,144
1920	119,427,870	85,991,630	315,604,274	78,477,805	6,807,330	32,585	992,080
1921	94,734,121	81,738,440	221,440,811	62,201,272	3,273,265	15,780	560,817

Year.	Copper.	Iron ore.	Lumber.	Silver ore and bullion.	Stone.	General merchandise.	Total.
1887	$6,977,200	$8,741,995	$2,974,068	$53,826	$134,010	$20,675,160	$79,081,757
1888	5,792,000	8,996,808	4,326,696	520,679	335,410	20,751,240	82,156,019
1889	6,691,200	14,335,492	5,679,972	914,589	335,380	18,744,600	83,732,527
1890	8,745,800	16,711,688	6,514,722	527,807	479,730	22,277,640	102,214,948
1891	13,838,000	12,460,744	6,593,490	266,211	440,800	25,025,580	128,178,208
1892	12,998,600	17,153,962	9,231,192	296,815	396,980	27,548,760	135,117,267
1893	17,506,000	14,050,946	10,593,810	379,861	194,260	24,910,800	145,438,957
1894	19,914,600	17,027,078	11,564,608	46,144	214,170	27,071,100	143,114,802
1895	21,490,400	22,332,319	8,888,400	11,200	238,760	27,798,480	159,575,129
1896	23,374,400	25,705,062	8,562,325	26,880	177,310	31,251,060	195,146,842
1897	24,464,800	31,901,145	10,875,762	560	62,490	34,742,880	218,235,927
1898	29,814,240	35,120,880	12,984,532	.....	46,700	37,388,760	233,069,740
1899	38,428,800	52,116,016	17,646,969	60,875	468,756	52,873,560	281,364,750
1900	39,319,800	61,663,380	15,009,241	13,750	586,824	54,139,700	267,041,959
1901	26,227,866	58,794,509	16,617,922	.....	559,008	69,755,125	289,906,865
1902	22,916,280	75,260,420	17,736,404	125	467,028	92,512,500	358,306,300
1903	25,961,710	74,709,398	18,057,456	.....	255,600	82,479,875	349,405,014
1904	26,305,200	52,034,862	16,388,220	74,580	325,116	98,821,215	334,502,686
1905	30,358,200	93,997,911	17,885,911	2,255	130,788	117,121,620	416,965,484
1906	36,595,220	121,981,795	19,813,882	.....	74,664	170,227,650	537,463,454
1907	27,887,290	148,481,040	14,934,360	.....	10,776	153,398,100	569,830,188
1908	26,044,160	83,811,156	9,528,981	.....	10,190	126,435,150	470,141,318
1909	32,566,272	146,054,670	12,152,360	.....	17,840	171,051,600	626,104,173
1910	32,921,884	165,582,463	13,509,462	.....	96,350	211,732,350	654,010,844
1911	23,184,175	107,559,323	12,566,543		53,420	207,887,700	595,019,844
1912	28,653,730	134,279,927	15,687,237		22,820	249,717,450	791,357,837
1913	20,063,830	158,760,865	14,090,271	Oil.	61,810	265,629,000	865,957,823
1914	22,757,472	87,016,129	10,173,330		.....	197,595,600	634,800,268
1915	60,462,514	126,598,091	10,270,147		.....	239,309,700	882,263,141
1916	71,214,295	209,391,953	7,919,366	$9,562,518	517,476	135,579,750	974,161,156
1917	66,297,096	282,320,814	9,641,747	11,287,027	628,101	98,754,750	1,196,922,193
1918	42,178,220	302,756,480	10,986,008	15,036,030	502,511	98,887,400	987,005,347
1919	24,239,735	239,306,239	9,777,040	15,480,920	556,755	121,990,060	914,513,944
1920	18,040,750	340,682,988	9,931,981	17,674,450	985,724	125,124,750	1,119,774,214
1921	8,040,915	115,236,147	8,664,852	14,327,568	863,532	135,096,675	746,134,196

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Unit values of freight carried through the canals since 1889.

Year.	Coal, anthracite, per ton.	Coal, bituminous, per ton.	Flour, per barrel.	Wheat, per bushel.	Grain (other than wheat), per bushel.	Manufactured iron, per ton.	Pig iron per ton.
1889	[1] $3.50	[1] $3.50	$5.00	$0.98	$0.98	$50.00	$17.00
1890	[1] 3.50	[1] 3.50	5.00	.98	.98	50.00	17.00
1891	[1] 3.50	[1] 3.50	5.00	.98	.98	50.00	17.00
1892	[1] 3.50	[1] 3.50	4.00	.75	.56	50.00	17.00
1893	[1] 3.50	[1] 3.50	4.00	.75	.56	50.00	17.00
1894	[1] 2.93	[1] 2.93	3.75	.64	.50	50.00	13.50
1895	4.25	2.40	3.75	.65	.50	50.00	13.00
1896	4.75	2.50	3.85	.75	.39	50.00	13.50
1897	5.50	2.60	4.50	.87	.46	50.00	13.25
1898	4.75	2.40	4.25	.80	.50	50.00	13.25
1899	5.70	2.60	3.60	.75	.59	100.00	19.50
1900	5.25	3.00	4.00	.70	.87	100.00	17.50
1901	5.60	2.90	3.25	.69	.92	100.00	16.00
1902	6.25	3.25	3.50	.72	.92	110.00	20.75
1903	5.80	3.15	4.50	.80	.71	110.00	20.00
1904	5.50	2.60	5.50	1.05	.70	100.00	15.00
1905	5.60	2.75	5.20	.90	.66	100.00	15.65
1906	5.75	2.50	4.20	.80	.71	80.00	18.50
1907	5.80	2.60	5.00	1.00	.83	80.00	23.25
1908	5.47	2.50	5.25	1.01	.86	75.00	17.50
1909	5.47	2.50	5.40	1.06	.85	75.00	17.40
1910	5.30	2.75	4.88	1.024	.78	80.00	16.50
1911	5.85	2.75	4.70	1.005	.80	80.00	15.00
1912	6.00	2.85	4.70	.965	.78	80.00	14.50
1913	5.85	2.70	4.65	.90	.76	80.00	15.00
1914	5.85	2.70	4.85	1.044	.71	80.00	14.29
1915	5.80	2.70	5.75	1.15	.69	80.00	14.50
1916	6.10	3.05	7.30	1.40	.84	80.00	17.70
1917	6.50	5.25	11.40	2.36	1.24	100.00	35.50
1918	8.00	4.90	10.85	2.28	1.56	100.00	.....
1919	8.85	4.60	11.00	2.30	1.30	80.00	30.00
1920	11.00	8.00	11.50	2.20	1.52	90.00	58.50
1921	11.50	5.50	8.00	1.12	.65	85.00	30.00

Year.	Salt, per ton.	Copper, per ton.	Iron ore, per ton.	Lumber, per thousand feet.	Silver ore, per ton.	Stone, per ton.	General merchandise, per ton.
1889	$6.67	$200.00	$3.50	$18.00	$153.79	$10.00	$60.00
1890	6.67	200.00	3.50	18.00	153.79	10.00	60.00
1891	6.67	200.00	3.50	18.00	153.79	10.00	60.00
1892	6.67	200.00	3.50	18.00	153.79	10.00	60.00
1893	6.67	200.00	3.50	18.00	153.79	10.00	60.00
1894	6.67	200.00	2.60	16.00	112.00	10.00	60.00
1895	5.01	200.00	2.77	12.00	112.00	10.00	60.00
1896	5.01	200.00	3.25	12.50	112.00	10.00	60.00
1897	5.01	200.00	3.00	13.50	112.60	10.00	60.00
1898	5.02	240.00	3.00	14.50	.....	10.00	60.00
1899	5.03	320.00	3.40	17.00	125.00	12.00	90.00
1900	6.68	300.00	3.75	16.50	125.00	12.00	100.00
1901	5.03	266.00	3.25	15.50	.....	12.00	125.00
1902	4.41	190.00	3.10	16.25	125.00	12.00	125.00
1903	4.74	230.00	3.45	18.00	.....	12.00	125.00
1904	4.72	240.00	2.65	17.75	55.00	12.00	135.00
1905	4.74	285.00	3.00	18.50	55.00	12.00	140.00
1906	4.95	340.00	3.45	22.00	.....	12.00	150.00
1907	5.03	310.00	3.75	23.00	.....	12.00	150.00
1908	5.05	256.00	3.40	21.00	.....	10.00	150.00
1909	5.07	256.00	3.65	22.00	.....	10.00	150.00
1910	5.05	222.34	3.98	22.40	.....	10.00	150.00
1911	5.39	175.00	3.50	22.50	Oil, per ton.	10.00	150.00
1912	5.04	245.00	2.90	23.50		10.00	150.00
1913	5.02	235.00	3.30	23.50		10.00	150.00
1914	5.03	248.00	2.77	22.50		.....	150.00
1915	4.34	386.50	2.80	22.50		.....	150.00
1916	5.02	565.00	3.30	23.20	$42.00	[2] 1.00	150.00
1917	6.50	558.00	4.60	27.50	43.00	[2] 1.10	150.00
1918	8.50	490.00	5.00	37.00	45.00	[2] 1.25	200.00
1919	8.00	415.00	5.10	40.00	40.00	[2] 1.50	225.00
1920	10.00	350.00	6.00	51.50	50.00	[2] 1.75	225.00
1921	9.00	255.00	5.10	42.00	47.50	[2] 1.75	225.00

[1] Average price for anthracite and bituminous coal combined. [2] Includes broken stone, gravel, and sand.

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Statement of commerce through both American and Canadian canals at Sault

Year.	Date of opening canal.	Date of closing canal.	Class and tonnage of vessels.					Passenger and freight traffic.			
			Passages by—			Total passages.	Net registered tonnage.	Passengers.	Coal.	Flour.	Wheat.
			Steamers.	Other registered craft.	Unregistered craft.						
									Tons.	*Barrels.*	*Bushels.*
1855..	June 18	Nov. 23	149	44	.....	193	106,296	8,295	1,414	10,289	.....
1856..	May 4	Nov. 28	178	112	.....	290	101,458	7,992	3,968	17,686	.....
1857..	May 9	Nov. 30	184	192	.....	376	180,820	6,650	5,298	18,515	.....
1858..	Apr. 18	Nov. 20	224	182	.....	406	219,819	9,230	4,118	13,782	.....
1859..	May 3	Nov. 28	258	411	.....	669	352,642	.....	8,884	39,459	74
1860..	May 11	Nov. 26	337	579	.....	916	403,657	.....	.....	50,250	.....
1861..	May 3	Nov. 14	296	242	.....	538	276,639	8,816	11,507	22,743	223
1862..	Apr. 27	Nov. 27	295	543	.....	838	359,612	8,468	11,346	17,291	.....
1863..	Apr. 28	Nov. 24	305	952	.....	1,257	507,434	18,281	7,805	31,975	.....
1864..	May 2	Dec. 4	366	1,045	.....	1,411	571,438	16,985	11,282	33,937	.....
1865..	May 1	Dec. 3	395	602	.....	997	409,062	19,777	.....	34,985	.....
1866..	May 5	Dec. 3	453	555	.....	1,008	458,530	14,067	19,915	33,603	.....
1867..	May 4	Dec. 3	466	839	.....	1,305	556,899	15,120	22,927	28,345	.....
1868..	May 2	Dec. 3	338	817	.....	1,155	432,563	10,590	25,814	27,372	.....
1869..	May 4	Nov. 29	399	939	.....	1,338	524,885	17,657	27,850	32,007	.....
1870..	Apr. 29	Dec. 1	431	1,397	.....	1,828	690,826	17,153	15,952	33,548	49,700
1871..	May 8	Nov. 29	573	1,064	.....	1,637	752,101	15,859	46,798	26,040	1,376,705
1872..	May 11	Nov. 26	792	1,212	.....	2,004	914,735	25,830	80,815	136,411	567,134
1873..	May 5	Nov. 18	968	1,519	.....	2,517	1,204,446	30,966	96,780	172,692	2,119,997
1874..	May 12	Dec. 2	901	833	.....	1,734	1,070,857	22,958	61,124	179,855	1,120,015
1875..	May 12	Dec. 2	1,464	569	.....	2,033	1,259,534	19,685	101,260	309,991	1,213,788
1876..	May 8	Nov. 26	1,733	684	.....	2,417	1,541,676	20,286	124,960	390,577	1,971,549
1877..	May 2	Nov. 30	1,050	1,401	.....	2,451	1,439,216	21,800	91,575	355,117	1,349,738
1878..	Apr. 8	Dec. 3	1,476	1,091	.....	2,567	1,667,136	20,394	91,856	344,599	1,872,940
1879..	May 2	Dec. 3	1,618	1,403	100	3,121	1,677,071	18,979	110,704	451,154	2,603,668
1880..	Apr. 28	Nov. 15	1,735	1,718	50	3,503	1,734,890	25,766	170,501	523,860	2,105,920
1881..	May 7	Dec. 5	2,117	1,706	181	4,004	2,092,757	24,671	295,647	605,453	3,456,965
1882..	Apr. 21	Dec. 3	2,739	1,663	372	4,774	2,468,088	29,256	430,184	344,044	3,728,856
1883..	May 2	Dec. 11	2,620	1,458	237	4,315	2,042,259	39,130	714,444	687,031	5,900,473
1884..	Apr. 23	Dec. 10	3,609	1,709	371	5,689	2,997,837	54,214	706,379	1,248,243	11,985,791
1885..	May 6	Dec. 2	3,354	1,689	337	5,380	3,035,937	36,147	894,991	1,440,093	15,274,213
1886..	Apr. 25	Dec. 4	4,584	2,534	306	7,424	4,219,397	27,088	1,009,999	1,759,365	18,991,485
1887..	May 1	Dec. 2	5,968	2,562	825	9,355	4,897,598	32,668	1,352,987	1,572,735	23,096,520
1888..	May 7	Dec. 4	5,305	2,009	489	7,803	5,130,659	25,558	2,105,041	2,190,725	18,596,351
1889..	Apr. 15	Dec. 4	6,501	2,635	443	9,579	7,221,935	25,712	1,629,197	2,228,707	16,231,854
1890..	Apr. 20	Dec. 3	7,268	2,872	417	10,557	8,454,435	24,856	2,176,925	3,239,104	16,217,370
1891..	Apr. 27	Dec. 7	7,339	2,405	447	10,191	8,400,685	26,190	2,507,532	3,780,143	38,816,570
1892..	Apr. 18	Dec. 6	8,737	3,324	519	12,580	10,647,203	25,896	2,904,266	5,418,135	40,994,780
1893..	May 1	Dec. 5	8,379	2,955	674	12,008	8,949,754	18,869	3,008,120	7,420,674	43,481,652
1894..	Apr. 17	Dec. 6	10,208	3,676	607	14,491	13,110,366	27,236	2,797,184	8,965,773	34,869,483
1895..	Apr. 25	Dec. 11	12,495	4,790	671	17,956	16,806,781	31,656	2,574,362	8,902,302	46,218,250
1896..	Apr. 21	Dec. 8	13,404	4,391	820	18,615	17,249,418	37,066	3,023,340	8,882,858	63,256,463
1897..	Apr. 21	Dec. 14	12,029	4,438	704	17,171	17,619,933	40,213	3,039,172	8,921,143	55,924,302
1898..	Apr. 11	Dec. 14	12,461	4,449	851	17,761	18,622,754	43,426	3,776,450	7,778,043	62,339,996
1899..	Apr. 26	Dec. 20	14,378	4,776	1,101	20,255	21,958,347	49,082	3,940,887	7,114,147	58,397,335
1900..	Apr. 19	Dec. 16	14,426	4,004	1,022	19,452	22,315,834	58,555	4,486,977	6,760,688	40,489,302
1901..	Apr. 20	Dec. 21	14,372	4,482	1,187	20,041	24,626,976	59,663	4,593,136	7,634,350	52,812,636
1902..	Apr. 1	Dec. 20	17,069	4,368	1,222	22,659	31,955,582	59,377	4,812,478	8,910,240	76,730,965
1903..	Apr. 2	Dec. 15	14,027	3,569	1,000	18,596	27,736,444	55,175	6,937,633	7,093,380	61,384,552
1904..	Apr. 30	Dec. 26	12,188	2,994	938	16,120	24,364,148	37,695	6,454,869	4,710,538	49,928,869
1905..	Apr. 10	Dec. 20	17,197	3,263	1,219	21,679	36,617,699	54,204	6,509,056	5,772,719	68,321,288
1906..	Apr. 13	Dec. 22	18,138	2,817	1,200	22,155	41,098,324	63,033	8,739,630	6,495,350	84,271,358
1907..	Apr. 22	Dec. 15	17,245	2,303	889	20,437	44,087,974	62,758	11,400,095	6,524,770	98,135,775
1908..	Apr. 21	Dec. 15	12,553	1,355	1,273	15,181	31,091,730	53,287	9,902,460	5,704,375	106,041,573
1909..	Apr. 20	Dec. 16	16,463	1,787	954	19,204	46,751,717	59,948	9,940,026	7,094,175	113,253,561
1910..	Apr. 12	Dec. 15	17,674	1,890	1,335	20,899	49,856,123	66,933	13,513,727	7,576,789	86,259,974
1911..	Apr. 22	Dec. 16	15,160	1,681	1,832	18,673	41,653,488	79,951	15,332,876	7,246,495	97,141,911
1912..	Apr. 24	Dec. 19	19,076	1,805	1,897	22,778	56,736,807	66,877	14,931,594	8,652,153	174,086,456
1913..	Apr. 14	Dec. 18	19,789	1,992	2,014	23,795	57,989,715	77,194	18,622,938	10,212,667	204,821,507
1914..	Apr. 20	Dec. 17	14,994	1,682	2,041	18,717	41,986,339	59,801	14,487,221	9,715,085	150,284,095
1915..	Apr. 13	D3c. 20	17,699	1,884	1,650	21,233	56,399,147	50,336	13,357,058	8,436,937	255,481,558
1916..	Apr. 18	Dec. 19	21,606	2,461	1,340	25,407	69,824,463	54,922	16,123,119	10,239,841	226,063,315
1917..	Apr. 24	Dec. 17	19,569	1,943	1,373	22,885	65,307,233	38,339	18,298,853	8,449,949	185,899,449
1918..	Apr. 20	Dec. 17	17,067	1,634	1,909	20,610	61,100,244	34,990	17,981,610	8,228,844	122,718,146
1919..	Apr. 10	Dec. 15	14,866	1,218	1,503	17,587	50,089,090	56,992	13,874,951	8,087,554	113,734,848
1920..	Apr. 19	Dec. 26	16,336	1,354	1,157	18,847	58,194,083	68,451	14,156,259	7,477,533	143,456,487
1921..	Apr. 7	Dec. 24	10,779	538	1,530	12,847	32,184,240	66,621	14,763,155	10,217,305	197,715,010

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Ste. Marie, Michigan and Ontario, for each year from first opening in 1855.

Passenger and freight traffic.

Grain (other than wheat).	Manufactured and pig iron.	Salt.	Copper.	Iron ore.	Lumber.	Silver ore and bullion.	Stone.	General merchandise.	Total freight.	Year.
Bushels.	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Mft.b.m.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	
.....	1,445	29	3,196	1,447	127	.....	.....	5,690	14,503	1855
82,060	2,272	154	5,977	11,597	433	.....	.....	5,538	33,817	1856
40,637	4,426	168	4,400	26,185	680	.....	.....	7,140	51,607	1857
21,000	3,031	183	6,944	31,035	188	.....	.....	9,587	57,002	1858
71,738	7,172	411	7,269	65,769	766	.....	.....	25,280	122,056	1859
133,437	1,446	.....	9,000	120,000	.....	.....	.....	14,915	153,721	1860
76,830	4,904	452	7,645	44,837	664	.....	.....	12,972	87,847	1861
59,062	7,023	372	6,881	113,014	240	.....	.....	19,355	161,675	1862
78,480	7,939	226	1,044	181,567	1,414	.....	.....	30,213	236,780	1863
143,560	9,234	266	5,331	213,753	2,012	.....	.....	33,477	284,350	1864
.....	7,400	476	9,935	147,459	822	.....	.....	11,226	181,638	1865
229,926	14,484	668	9,550	152,102	660	.....	.....	32,310	239,457	1866
249,031	23,141	797	10,585	222,861	1,177	.....	.....	33,632	325,357	1867
285,123	23,991	694	12,222	191,939	1,404	.....	.....	31,843	299,175	1868
323,501	25,604	887	18,662	239,368	1,423	.....	.....	41,813	368,326	1869
304,077	42,049	1,663	11,301	409,850	814	92	4,560	40,342	539,883	1870
308,823	57,216	5,430	14,562	327,461	1,098	464	5,528	74,227	585,583	1871
445,774	100,293	6,404	14,986	383,105	1,853	306	5,213	109,663	746,258	1872
309,645	47,996	4,400	15,947	504,121	2,191	580	2,218	123,398	888,432	1873
149,999	33,713	6,635	15,345	427,658	686	443	401	55,312	655,138	1874
272,580	56,649	6,598	18,396	493,408	4,498	847	2,978	70,128	833,465	1875
424,468	67,409	7,000	25,756	609,752	17,820	985	2,102	91,119	1,073,570	1876
378,063	42,705	9,478	16,767	568,082	15,373	1,020	2,506	64,201	912,639	1877
264,674	18,116	9,528	22,529	555,750	34,889	768	2,754	69,007	937,351	1878
973,948	43,771	13,837	22,309	540,075	43,439	324	2,226	81,279	1,050,784	1879
2,553,436	54,302	11,687	21,753	677,073	48,635	66	2,283	100,849	1,321,906	1880
367,838	87,830	9,885	29,488	748,131	58,877	.....	1,400	129,031	1,567,741	1881
473,129	92,870	26,492	25,409	987,060	82,783	22	5,428	172,167	2,029,521	1882
776,552	109,910	10,635	31,024	791,732	87,131	814	2,405	191,571	2,267,105	1883
517,103	72,428	21,721	36,062	1,136,071	122,389	9,731	6,047	207,173	2,874,557	1884
422,981	60,842	20,453	31,927	1,235,122	127,984	3,669	8,189	184,963	3,256,628	1885
715,373	115,208	23,802	38,627	2,087,809	138,688	2,009	9,449	230,726	4,527,759	1886
775,166	74,919	30,736	34,886	2,497,713	165,226	350	13,401	344,586	5,494,649	1887
2,022,308	63,703	31,565	28,960	2,570,517	240,372	3,385	33,541	345,854	6,411,423	1888
2,133,245	57,561	25,238	33,456	4,095,855	315,554	5,947	33,538	312,410	7,516,022	1889
2,044,384	116,327	26,915	43,729	4,774,768	361,929	3,432	47,973	371,294	9,041,213	1890
1,032,104	69,741	35,179	69,190	3,560,213	366,305	1,731	44,080	417,093	8,888,759	1891
1,666,690	101,520	41,361	64,993	4,901,132	512,844	1,930	39,698	459,146	11,214,333	1892
2,405,344	89,452	34,310	87,530	4,014,556	588,545	2,470	19,426	415,180	10,796,572	1893
1,545,008	60,659	35,619	99,573	6,548,876	722,788	412	21,417	451,185	13,195,860	1894
8,328,694	100,337	40,439	107,452	8,062,209	740,700	100	23,876	463,308	15,062,580	1895
27,448,071	121,872	35,533	116,872	7,909,250	684,986	240	17,731	520,851	16,239,061	1896
24,889,688	135,164	42,701	122,324	10,633,715	805,612	5	6,249	579,048	18,982,755	1867
26,078,384	250,170	45,021	124,226	11,706,960	895,485	.....	4,670	623,146	21,234,664	1898
30,000,935	214,585	47,130	120,090	15,328,240	1,038,057	487	39,063	587,484	25,255,810	1899
16,174,659	135,585	49,259	131,066	16,443,568	909,651	110	48,902	541,397	25,643,073	1900
24,760,547	206,443	66,181	98,601	18,090,618	1,072,124	.....	46,584	558,041	28,403,065	1901
27,740,822	198,152	65,354	120,612	24,277,555	1,091,471	1	38,919	740,100	35,961,146	1902
32,095,646	193,267	67,223	112,877	21,654,898	1,003,192	.....	21,300	659,839	34,674,437	1903
33,030,992	229,985	54,193	109,605	19,635,797	923,280	1,356	27,093	732,009	31,546,106	1904
39,229,553	237,696	62,461	106,520	31,332,637	966,806	41	10,899	836,583	44,270,680	1905
54,343,155	391,105	70,920	107,633	35,357,042	900,631	.....	6,222	1,134,851	51,751,080	1906
43,463,338	307,941	68,626	89,959	39,594,944	649,320	.....	898	1,022,654	58,217,214	1907
43,458,583	289,308	81,337	101,735	24,650,340	453,761	.....	1,019	842,901	41,390,557	1908
46,519,451	522,281	96,303	127,212	40,014,978	552,380	.....	1,784	1,140,344	57,895,149	1909
39,245,485	444,669	78,448	148,070	41,603,634	603,101	.....	9,635	1,411,549	62,363,218	1910
40,782,609	412,269	98,229	132,481	30,731,235	558,513	.....	5,342	1,385,918	53,477,216	1911
69,024,546	654,892	98,415	116,954	46,303,423	667,542	.....	2,282	1,664,783	72,472,676	1912
112,230,369	402,912	108,997	85,378	48,109,353	599,586	Oil.	6,181	1,770,860	79,718,344	1913
68,338,072	239,683	115,864	91,764	31,413,765	452,148	Tons.	.....	1,317,304	55,369,934	1914
64,786,870	211,781	104,572	156,436	45,213,604	456,451	.....	.....	1,595,398	71,290,304	1915
93,189,561	202,194	109,000	126,043	63,452,107	341,352	227,679	517,476	903,865	91,888,219	1916
67,415,795	102,082	84,656	118,812	61,374,090	350,609	262,489	571,001	658,365	89,813,898	1917
30,800,621	38,767	81,007	86,078	60,551,296	296,919	334,134	402,009	494,437	85,680,327	1918
52,734,345	117,713	93,893	58,409	46,922,792	244,426	387,023	371,170	542,178	68,235,542	1919
51,630,135	76,194	99,208	51,545	56,780,498	192,854	353,489	563,271	556,110	79,282,496	1920
95,694,264	39,035	62,313	31,533	22,595,323	206,306	301,633	493,447	600,163	48,259,254	1921

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Statement of freight traffic through American and Canadian canals at Sault Ste. Marie, Michigan and Ontario, giving total and yearly mean tonnage for each five-year period since first opening in 1855.

Years.	Freight.			Total register.	Iron ore.	Coal.	All other products.			
	West.	East	Total.				Grain and flour.	Lumber.	Miscellaneous.	Total.
1855–1859:	*Tons.*	*Tons.*	*Tons.*	*Reg. tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*
Total	(1)	(1)	278,985	961,035	136,033	23,682	14,570	4,388	100,312	119,270
Average	(1)	(1)	55,797	192,207	27,207	4,736	2,914	878	20,062	23,854
1860–1864:										
Total	(1)	(1)	924,373	2,118,780	673,171	41,940	26,907	9,660	172,695	209,262
Average	(1)	(1)	184,875	423,756	134,634	8,388	5,381	1,932	34,540	41,853
1865–1869:										
Total	(1)	(1)	1,413,953	2,381,939	953,729	96,506	42,826	10,972	309,920	363,718
Average	(1)	(1)	282,791	476,388	190,746	19,301	8,565	2,195	61,984	72,744
1870–1874:										
Total	(1)	(1)	3,415,294	4,632,965	2,052,195	301,469	247,659	13,284	800,687	1,061,630
Average	(1)	(1)	683,059	926,593	410,439	60,294	49,532	2,657	160,138	212,327
1875–1879:										
Total	(1)	(1)	4,807,809	7,584,633	2,767,067	520,355	515,257	232,038	773,092	1,520,387
Average	(1)	(1)	961,562	1,516,927	553,413	104,071	103,052	46,408	154,619	304,079
1880–1884:										
Total	3,527,923	6,532,907	10,060,830	11,335,831	4,340,067	2,317,155	1,273,404	659,733	1,470,471	3,403,608
Average	765,585	1,306,581	2,012,166	2,267,166	868,013	463,431	254,681	131,947	294,094	680,722
1885–1889:										
Total	8,665,950	18,540,531	27,206,481	24,505,526	12,487,016	7,082,215	3,836,601	1,596,771	2,203,878	7,637,250
Average	1,733,190	3,708,106	5,441,296	4,901,105	2,497,403	1,416,443	767,320	319,354	440,776	1,527,450
1890–1894:										
Total	15,399,159	37,737,578	53,136,737	49,562,443	23,799,545	13,394,027	8,331,116	4,339,485	3,272,564	15,943,165
Average	3,079,832	7,547,516	10,627,347	9,912,489	4,759,909	2,678,806	1,666,223	867,897	654,513	3,188,633
1895–1899:										
Total	19,178,684	77,596,186	96,774,870	92,257,233	53,640,374	16,354,211	15,662,583	6,626,738	4,490,964	26,780,285
Average	3,835,737	15,519,237	19,354,974	18,451,447	10,728,075	3,270,842	3,132,517	1,325,348	898,193	5,356,058
1900–1904:										
Total	31,185,463	125,042,364	156,227,827	130,998,974	100,102,436	27,285,093	15,250,959	8,332,048	5,257,291	28,840,298
Average	6,237,093	25,008,473	31,245,566	26,199,795	20,020,487	5,457,019	3,050,192	1,666,410	1,051,458	5,768,060
1905–1909:										
Total	52,856,874	200,667,806	253,524,680	199,647,444	170,949,941	46,491,267	22,461,405	5,960,922	7,661,145	36,083,472
Average	10,571,375	40,133,561	50,704,936	39,929,489	34,189,988	9,298,254	4,492,281	1,192,185	1,532,229	7,216,696
1910–1914:										
Total	85,784,077	237,617,311	323,401,388	248,222,472	198,161,410	76,888,356	32,809,123	4,739,620	10,902,879	48,351,622
Average	17,156,815	47,523,462	64,680,278	49,644,494	39,632,282	15,377,671	6,561,825	947,924	2,160,576	9,670,325
1915–1919:										
Total	87,227,388	319,680,902	406,908,290	302,720,177	277,513,889	79,635,591	37,899,648	2,900,495	8,958,667	49,758,810
Average	17,445,478	63,936,180	81,381,658	60,544,035	55,502,778	15,927,118	7,579,930	580,099	1,791,733	9,951,762

[1] No record separating east and west.

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Lockage data, St. Marys Falls Canal, Mich.

Date.	Weitzel Lock.			Poe Lock.			Third Lock.			Fourth Lock.			Average time of passage of canal 1½ miles long, including lockage.	
	Number of lockages.	Average time of lockage.	Number of ships.	Number of lockages.	Average time of lockage.	Number of ships.	Number of lockages.	Average time of lockage.	Number of ships.	Number of lockages.	Average time of lockage.	Number of ships.	Actual.	Necessary.
		M. s.			M. s.			M. s.			M. s.		H. m.	H. m.
1887	4,165	38 47	9,355											
1888	3,845	39 09	7,803											
1889	4,684	40 03	9,579											
1890	4,970	41 40	10,557										4 34	2 54
1891	4,981	41 11	10,191										4 17	2 50
1892	5,867	42 13	12,580										5 02	3 49
1893	5,553	40 40	12,008										4 13	3 15
1894	6,431	40 12	14,491										4 36	4 08
1895	7,039	39 06	16,793										5 46	4 58
1896	5,462	36 35	11,035	961	56 45	2,406							2 45	2 09
1897	1,577	38 59	2,677	4,390	43 14	10,135							2 16	1 42
1898	2,682	33 30	4,513	4,326	43 05	9,545							2 13	1 14
1899	4,007	32 05	6,935	4,382	46 58	9,545							2 19	1 14
1900	4,153	20 43	7,093	4,326	34 21	9,276							2 11	1 10
1901	4,074	24 22	7,004	4,337	36 02	8,833							2 41	1 34
1902	4,149	22 09	6,469	5,278	37 58	11,119							2 37	1 29
1903	3,467	20 37	5,173	4,928	34 45	9,070							2 21	1 24
1904	3,219	22 43	4,747	4,074	34 30	7,406							2 18	1 26
1905	4,469	22 57	6,561	5,288	35 15	9,458							2 11	1 20
1906	4,522	22 59	6,507	5,845	34 31	9,968							2 33	1 48
1907	3,941	23 29	5,616	5,487	35 09	8,475							2 40	2 09
1908	2,005	21 52	2,697	4,734	32 38	7,194							3 30	2 40
1909	3,548	21 23	4,629	5,059	35 34	8,174							3 04	2 05
1910	3,361	26 53	4,555	5,377	45 35	8,372							2 36	2 13
1911	2,861	17 12	3,752	5,203	30 45	8,118							2 08	1 36
1912	4,008	20 07	5,669	5,890	32 48	9,247							2 33	1 59
1913	4,690	20 14	6,588	5,911	32 11	9,011							2 49	1 59
1914	3,364	17 55	4,732	4,795	28 35	7,062	556	35 59	845				2 08	1 31
1915				5,563	23 47	8,703	4,756	40 08	8,207				1 54	1 25
1916				6,197	28 31	9,925	5,220	38 39	8,791				1 56	1 30
1917				5,678	29 11	9,408	4,791	41 52	8,128				2 41	1 49
1918	1,561	17 55	2,017	4,632	26 15	6,261	4,676	37 48	7,250				1 31	1 18
1919				4,272	23 05	5,869	3,965	38 35	6,325	890	41 44	1,323	1 40	1 21
1920				3,484	23 37	4,463	3,268	35 08	4,836	3,364	43 53	5,539	1 29	1 15
1921				1,085	21 43	1,464	2,632	32 04	3,536	2,870	35 24	3,961	1 22	1 07

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Comparative statement of traffic through American and Canadian locks since 1902.

WEITZEL LOCK.

Year.	Passages.	Lockages.	Registered tonnage.	Freight tonnage.	Passengers.
1902	6,469	4,149	5,147,302	1,497,124	11,986
1903	5,173	3,467	4,156,902	1,381,421	9,250
1904	4,747	3,219	4,277,056	1,876,993	13,251
1905	6,561	4,469	6,944,761	2,258,706	15,638
1906	6,507	4,522	6,650,905	2,096,802	16,723
1907	5,616	3,941	5,841,003	1,772,701	15,840
1908	2,697	2,005	2,670,501	817,767	4,855
1909	4,629	3,548	5,448,174	497,572	9,315
1910	4,555	3,361	4,662,273	271,210	5,741
1911	3,752	2,861	1,937,795	101,192	6,495
1912	5,669	4,008	4,837,095	338,051	7,953
1913	6,588	4,690	6,049,561	679,793	17,192
1914	4,732	3,364	3,064,081	257,769	10,352
1918	2,017	1,561	1,045,329	61,615	850

POE LOCK. (OPENED AUG. 3, 1896.)

1902	11,119	5,278	22,260,719	29,735,671	10,792
1903	9,070	4,928	18,841,962	27,790,831	13,908
1904	7,406	4,074	15,882,986	24,640,923	8,355
1905	9,458	5,288	24,176,472	36,543,484	12,763
1906	9,968	5,845	28,138,888	43,083,490	14,202
1907	8,475	5,487	26,160,107	40,859,145	17,035
1908	7,194	4,734	18,816,998	27,839,530	18,224
1909	8,174	5,059	23,491,289	29,634,802	18,421
1910	8,372	5,377	21,844,713	25,656,451	27,795
1911	8,118	5,203	20,383,724	22,422,155	34,276
1912	9,247	5,880	26,110,038	32,486,764	21,642
1913	9,011	5,911	26,013,058	36,342,408	23,304
1914	7,062	4,795	19,155,395	23,188,132	19,057
1915	8,703	5,563	16,321,070	6,084,517	17,441
1916	9,925	6,197	21,779,236	18,592,263	20,279
1917	9,408	5,678	19,816,754	15,585,720	10,302
1918	6,261	4,632	18,448,046	11,750,717	6,220
1919	5,869	4,272	12,879,113	3,857,123	14,917
1920	4,463	3,484	10,986,700	2,988,894	21,127
1921	1,464	1,085	1,594,705	512,136	2,323

THIRD LOCK. (OPENED OCT. 21, 1914.)

1915	8,207	4,756	31,597,777	57,464,476	7,937
1916	8,791	5,220	35,258,971	56,492,956	3,028
1917	8,128	4,791	33,597,053	58,776,130	1,688
1918	7,259	4,676	31,585,752	60,946,348	972
1919	6,325	3,965	25,510,478	49,494,635	759
1920	4,836	3,268	18,796,307	22,270,126	2,910
1921	3,536	2,632	12,172,803	16,346,163	13,515

FOURTH LOCK. (OPENED SEPT. 18, 1919.)

1919	1,323	890	5,214,400	10,745,825	160
1920	5,539	3,364	23,272,285	51,542,792	962
1921	3,961	2,870	14,628,895	29,398,225	8,066

CANADIAN LOCK. (OPENED SEPT. 9, 1895.)

1902	5,071	3,419	4,547,561	4,728,351	36,599
1903	4,353	3,247	4,737,580	5,502,185	32,019
1904	3,967	3,022	4,204,096	5,028,190	16,089
1905	5,660	4,035	5,496,466	5,468,490	25,803
1906	5,680	4,156	6,308,531	6,570,788	32,108
1907	6,346	4,592	12,086,864	15,585,368	29,883
1908	5,290	3,946	9,604,231	12,733,260	30,208
1909	6,401	4,964	17,812,254	27,782,775	32,212
1910	7,972	5,831	23,349,137	36,435,557	33,397
1911	6,803	5,228	19,331,969	30,953,869	39,190
1912	7,862	6,200	25,789,674	39,647,861	37,282
1913	8,196	6,236	25,927,096	42,696,143	35,698
1914	6,078	4,787	17,295,958	27,598,467	30,009
1915	4,323	3,489	8,480,300	7,741,311	24,958
1916	6,691	4,773	12,786,256	16,803,000	31,615
1917	5,349	4,142	11,893,426	15,452,048	26,349
1918	5,073	4,034	10,021,217	12,921,647	26,948
1919	4,070	3,175	6,485,099	4,137,959	41,156
1920	4,009	3,077	5,138,791	2,480,684	43,452
1921	3,886	3,066	3,787,837	2,002,730	42,717

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GROWTH OF LAKE SUPERIOR COMMERCE.

The movement of freight to and from Lake Superior previous to the opening of the State Canal, in 1855, was by boat to Sault Ste. Marie, where the cargoes were unloaded, taken across the portage 1 mile long, and reloaded aboard boats.

In 1851 about 12,600 tons passed over the tramway portage; the transshipments to Lake Superior ports comprised the articles hay, oats, dry goods, groceries, and mining machinery to the value of $1,000,000, and those to lower lake ports included copper, iron blooms, and fish, valued at $675,000.

During the 67 years the canal has been in commission the yearly traffic has increased from a minimum of 14,503 tons in 1855 to a maximum of 91,888,219 tons in 1916.

The increase in tonnage of each year's traffic over that of the preceding year has averaged about 19 per cent. For each decade the average percentage of yearly increase and the total tonnage are as follows:

Year.	Per cent.	Tons.
1855–1864	44	1,203,358
1865–1874	12	4,829,247
1875–1884	17	14,868,639
1885–1894	17	80,343,218
1895–1904	12	253,002,697
1905–1914	13	576,926,068
1915–1921 (7 years)	.....	534,450,040
Total	.....	1,465,623,267

HISTORICAL NOTES.

The St. Marys Rapids are about half a mile wide and three-fourths of a mile long. The fall ranges from 17 to 21 feet with the varying stages of water.

The first canal was built on the Canadian side of the river by the Northwest Fur Co. in 1797–98. The lock was 38 feet long, 8 feet 9 inches wide, with a lift of 9 feet. A towpath was made along the shores for oxen to track the bateaux and canoes through the upper part of the rapids. The lock, excepting its timber floor and miter sills, was destroyed in 1814 by United States troops from Mackinac Island under command of Maj. Holmes.

The first ship canal, known as the State Canal, was built on the American side of the river in 1853 to 1855, some 750,000 acres of land in Michigan having been granted by the United States Congress for the construction thereof. The canal was $1\frac{1}{16}$ miles long, 64 feet wide at the bottom, and 100 feet wide at the water surface. There were two tandem locks of masonry, each 350 feet long by 70 feet wide, with a lift of about 9 feet. The depth in the canal was about 13 feet and in the locks about 11½ feet at the stage of water then prevailing. Capt. A. Canfield, topographical engineer, U. S. Army, made the original surveys. Charles T. Harvey was superintendent of construction, and the St. Marys Falls Ship Canal Co. was the contractor. The locks were destroyed in 1888 by excavations for the present Poe Lock.

The Weitzel Lock, 515 feet long, 80 feet wide in chamber, narrowing to 60 feet at the gates, with 17 feet depth of water on the miter sills (12.6 feet at present low-water datum), was built by the United States in the years 1870 to 1881. During the same period the canal was correspondingly deepened and was widened to 160 feet, and the stone slope walls were replaced with timber piers having a vertical face. Gen. Orlando M. Poe was the engineer officer in charge of the district from 1870 to 1873 and Gen. Godfrey Weitzel from 1873 to 1882. Alfred Noble was the assistant engineer in local charge from 1870 to 1882. Boyle and Roach were the principal contractors.

The Canadian canal, 1½ miles long, 150 feet wide, and 23 feet deep, with lock 900 feet long and 60 feet wide, having 22 feet of water on the miter sills (18.2 feet at present low-water datum), was built on the north side of the river in the years 1888 to 1895. Hon. Collingwood Schreiber was chief engineer of Dominion canals, etc.; and W. G. McNeill Thompson was the Government engineer in local charge of construction work. Ryan & Haney were the contractors.

The Poe Lock, 800 feet long, 100 feet wide, and having 22 feet of water on the sills (18 feet at present low-water datum), was built by the United States in the years 1887 to 1896. Gen. Orlando M. Poe was the engineer officer in charge of the district from 1883 to 1895 and E. S. Wheeler the assistant engineer in local charge of construction work from 1882 to 1897. Hughes Bros. & Bangs were the principal contractors.

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The Third Lock, 1,350 feet long and 80 feet wide, and having 24½ feet of water upon its miter sills at low-water datum, was built by the United States in the years 1908 to 1914, and opened to traffic October 21 of the latter year.

The new Fourth Lock, of same dimensions as Third Lock, was built by the United States in the years 1913 to 1919, and opened to traffic September 18, 1919.

Since 1892 the canal leading to the Weitzel and Poe Locks has been deepened in its upper reach to 24 feet. The new canal leading to the Third and Fourth Locks has a least depth of 24 feet. The length between the upper and lower entrances is about 1½ miles.

The present low-water planes are 301.6 Lake Superior and 580.6 feet of locks above mean tide at New York, levels of 1903.

The canal also practically includes those parts of the channel through St. Marys River which have been improved through shoals of sand, clay, boulders, sandstone, and limestone rock. The United States Government made the first appropriation for improving the river channels in 1856. The Lake George route was improved for 12 feet draft, 1857 to 1860 and 1866 to 1869. The depth was increased to 16 feet, 1879 to 1883. The Hay Lake route was improved for a depth of 20 feet at mean stage of water, years 1882 to 1894. Betterment of the channels has been continued since that time, so that the dredged areas now total 45 miles in length with least width of 300 feet, increasing at angles and at other critical places up to 1,000 feet. In 1903 excavation of the Middle and West Neebish channels was begun for 21 feet at lowest stage of water. The West Neebish channel was opened to commerce in 1908, and the deepening of the Middle Neebish channel was completed in 1912. Downbound traffic uses the West Neebish channel and upbound traffic the Middle Neebish route.

The Engineer officers in past charge of the river improvements were: Capt. A. W. Whipple, 1858–1861; Col. T. J. Cram, 1866–1870; Maj. O. M. Poe, 1870–1873; Col. G. Weitzel, 1873–1882; Maj. F. U. Farquhar, 1882–1883; Col. O. M. Poe, 1883–1895; Col. G. J. Lydecker, 1896–1902; Maj. W. H. Bixby, 1902–1904; Col. Chas. E. L. B. Davis, 1904–1908; Col. C. McD. Townsend, 1908–1912; Col. Mason M. Patrick, 1912–1916; Col. Harry Burgess, 1916–1917; Col. F. W. Alstaetter, 1917–1918, and Mr. L. C. Sabin was district engineer, 1918–19.

The cost of the several improvements, stated in round numbers, is as follows:

Locks and canal of 1855	$1,000,000
Weitzel Lock	1,000,000
Poe Lock	3,000,000
Third Lock and new canal	5,000,000
Fourth Lock	2,500,000
Widening and deepening canal	4,400,000
Improving channel through river	9,400,000
Canadian Lock, canal, and approaches	5,000,000

Hydraulic power is used for operating the Weitzel and Poe Locks. Electricity generated by water power is used for operating the Third and Fourth Locks on the American side and the Canadian Lock.

The American locks are filled or emptied in about 9 minutes, and the gates opened in 1½ minutes. An up-lockage of a single boat has been made through the Poe Lock in 11 minutes, through the Third Lock in 13 minutes, and through the Fourth Lock in 11 minutes; but the average time spent in making a lockage last season was 31 minutes 49 seconds, this difference being due to the slow movement of the boats while entering and leaving the locks and to the fact that in nearly half of the lockages more than one boat was passed. Frequently as many as five boats were included in a single lockage.

The Canadian Lock can be operated in about 10 minutes. The average time of lockage through the Canadian Lock last season was 14 minutes and 53 seconds.

From 1855 to 1881 the canal was controlled by the State of Michigan and tolls were charged to cover operating and repair expenses, the rate at first being 6½ cents per registered ton, which was gradually reduced to 2½ cents. Similarly the minimum charge for lockage of a boat was reduced from $5 to $3. Since control was transferred to the United States in 1881, the American canal has been free for public use by all nations. Likewise the Canadian canal has not collected tolls for either foreign or domestic commerce.

The lock force under State control consisted of about 20 men having one watch only, as night navigation of the river was then impossible. Under United States control two watches, of 12 hours each, were established in 1881, and the same continued until 1891, when three watches of 8 hours each were organized. The force engaged in passing boats has been increased with the growth of commerce, the number now aggregating 120; in addition there are 15 others employed as watchmen, janitors, telephone boys, and laborers.

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Expenditures for operating and care of St. Marys Falls Canal, Mich., by fiscal years.

Year.	Operating.	Repairs.	Total.	Cost per freight ton.
				Mills.
1882	$21,135.86	$6,360.00	$27,545.86	14.67
1883	22,134.97	14,200.80	36,335.77	19.38
1884	20,337.61	9,148.68	29,486.29	11.61
1885	18,635.27	10,429.25	29,064.52	10.12
1886	18,871.84	7,217.28	26,089.12	7.05
1887	18,887.11	2,945.44	21,832.55	4.47
1888	22,858.57	7,144.89	30,003.46	5.38
1889	23,987.45	6,616.16	30,603.61	4.41
1890	22,737.53	13,985.74	36,723.27	4.43
1891	34,657.27	10,303.52	44,960.79	5.39
1892	37,895.93	23,345.16	61,241.09	6.06
1893	34,402.15	7,425.92	41,828.07	3.86
1894	43,103.27	12,028.94	55,132.21	4.94
1895	39,063.20	11,472.41	50,535.61	3.71
1896	34,806.92	24,822.16	59,629.08	4.14
1897	46,750.02	32,457.13	79,207.15	6.70
1898	43,464.99	13,209.17	56,674.16	3.79
1899	65,142.64	23,858.24	89,000.88	4.69
1900	59,282.46	21,026.81	80,309.27	3.27
1901	59,457.05	16,102.29	75,559.34	3.60
1902	66,914.75	21,680.78	88,595.53	2.96
1903	62,648.42	20,297.67	82,946.09	2.62
1904	66,563.96	26,514.11	93,078.07	4.25
1905	64,423.96	20,998.96	85,422.92	2.48
1906	69,259.66	20,410.36	89,670.02	2.17
1907	68,162.42	21,664.84	89,827.26	2.00
1908	67,652.07	42,266.64	109,918.71	3.24
1909	68,963.78	37,550.48	106,514.26	3.25
1910	70,608.98	32,487.20	103,096.18	3.56
1911	70,968.97	78,657.04	149,626.01	6.33
1912	71,135.66	81,061.68	152,197.34	5.80
1913	70,024.71	81,723.72	151,748.43	4.17
1914	69,998.81	47,439.29	117,438.10	3.62
1915	77,087.18	36,518.76	113,605.94	3.13
1916	84,958.86	46,430.39	131,389.25	1.90
1917	88,798.60	33,066.16	121,864.76	1.72
1918	94,015.50	28,846.82	122,862.32	1.60
1919	116,161.57	33,504.16	149,665.73	2.00
1920	131,306.83	33,400.17	164,707.00	2.70
1921	142,520.43	67,065.07	209,585.50	2.88

PORT OF SAULT STE. MARIE, MICH., ST. MARYS RIVER, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.
1920 [1]	163,821	$2,572,699
1921	214,921	1,956,550

[1] Previous years unknown.

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PORT OF SAULT STE. MARIE, MICH., ST. MARYS RIVER, MICH.—con.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	*Mills.*
Nonmetallic minerals			212,221		$1,349,050	500	2
Coal, anthracite	5,726			$65,849			
Coal, bituminous	174,171			957,940			
Coke	29,048			319,528			
Limestone	3,276			5,733			
Unclassified: General merchandise		2,200	2,200	495,000	495,000	500	2
Total	212,221	2,200	214,421		1,844,050		
SHIPMENTS, INTERNAL.							
Unclassified: General merchandise		500	500		112,500	500	2
Total receipts and shipments, internal	212,221	2,700	214,921		1,956,550		

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals	212,221	$1,349,050			212,221	$1,349,050
Unclassified	2,200	495,000	500	$112,500	2,700	607,500
Total	214,421	1,844,050	500	112,500	214,921	1,956,550

Cargoes in transit, short tons, 48,259,254: value, $746,134,195.

CARGOES IN TRANSIT.

Commodities.	Amount in short tons.	Value.	Commodities.	Amount in short tons.	Value.
Vegetable food products, oil seeds, etc.:			Ores, metals, and manufactures of:		
Barley	420,574	$9,462,402	Copper	31,533	$8,040,915
Corn	141,842	2,684,831	Iron ore	22,595,323	115,236,147
Oats	813,659	18,368,645	Pig iron	526	15,780
Rye	429,648	16,111,283	Unclassified	38,509	3,273,265
Wheat	5,931,450	221,440,811	Unclassified: General merchandise	600,163	135,036,675
Flour	1,021,731	81,738,440			
Flax seed	227,140	15,574,111	Total	48,259,254	746,134,195
Wood: Unclassified	386,608	8,664,852			
Nonmetallic minerals:					
Coal, anthracite	2,256,128	25,945,472			
Coal, bituminous	12,507,027	68,788,649			
Coke					
Oils	301,633	14,327,568			
Stone	493,447	863,532			
Salt	62,313	560,817			

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MACKINAC HARBOR, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1910	17,429	$2,614,350	(1)	1916	22,195	$1,704,243	125,000
1911	12,297	1,844,550	(1)	1917	17,193	1,471,470	75,000
1912	22,407	1,922,938	(1)	1918	11,900	692,190	60,000
1913	24,959	2,389,434	(1)	1919	16,000	819,950	45,100
1914	19,911	1,706,100	(1)	1920	11,179	760,459	72,200
1915	17,217	1,482,605	102,000	1921	8,382	746,310	109,030

[1] No statistics available.

Total number of landings at dock		1,648
Total number of passengers to and from island		109,030
Total net registered tonnage of vessels		984,969
Increase in tonnage over that of 1920	per cent	29.8
Greatest draft of vessels arrived and departed in 1921	feet	21

New lines of transportation established: Goodrich Transit Co.
Old lines of transportation abandoned: Detroit & Cleveland Navigation Co.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.[1]
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS.						*Miles.*	*Mills.*
Nonmetallic minerals			5,200		$30,360		
Coal, anthracite	900			$9,720		575	(2)
Coal, bituminous	4,300			20,640		420	(2)
Unclassified: Miscellaneous merchandise		2,647	2,647	595,575	595,575		
Total	5,200	2,647	7,847		625,935		
SHIPMENTS.							
Unclassified: Miscellaneous merchandise		535	535	120,375	120,375		(2)
Total receipts and shipments	5,200	3,182	8,382		746,310		

[1] Approximate only. Impracticable to obtain information on other items.
[2] Unknown.

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals	5,200	$30,360			5,200	$30,360
Unclassified	2,647	595,575	535	$120,375	3,182	715,950
Total	7,847	625,935	535	120,375	8,382	746,310

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CHEBOYGAN HARBOR, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890	281,294	(1)	1906	459,528	(1)
1891	245,831	(1)	1907	593,768	(1)
1892	344,555	(1)	1908	147,631	(1)
1893	441,087	(1)	1909	349,521	$2,840,399
1894	303,900	(1)	1910	264,980	2,406,945
1895	326,930	(1)	1911	334,551	2,714,856
1896	525,373	(1)	1912	163,838	1,304,372
1897	340,302	(1)	1913	210,672	2,955,384
1898	700,998	(1)	1914	120,495	1,011,336
1899	504,903	(1)	1915	139,268	1,368,913
1900	103,773	(1)	1916	77,455	922,370
1901	414,498	(1)	1917	114,623	1,615,638
1902	430,784	(1)	1918	128,124	1,672,751
1903	292,947	(1)	1919	100,775	1,633,229
1904	131,276	(1)	1920	70,197	1,668,105
1905	533,359	(1)	1921	19,210	639,441

[1] No statistics available.

[Season of navigation: Opened Apr. 28, closed Dec. 10, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.[1]
	Bulk.	Package.		By commodities.	By classes.	
IMPORTS.						*Miles.*
Animals and animal products: Fish		300	300	$63,000	$63,000	60

DOMESTIC.

RECEIPTS.						*Miles.*
Animal and animal products			458		$102,360	
Fish		408		$83,610		25
Horses		50		18,750		
Nonmetallic minerals: Coal, bituminous	16,000		16,000	76,800	76,800	350
Unclassified: Miscellaneous merchandise		720	720	162,000	162,000	
Total	16,000	1,178	17,178		341,160	
SHIPMENTS.						
Unclassified: Miscellaneous merchandise		976	976	219,600	219,600	
Total receipts and shipments	16,000	2,154	18,154		560,760	

[1] Rate per mile unknown.

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CHEBOYGAN HARBOR, MICH.—continued.

ON LAKE FRONT ABOUT 1 MILE NORTH OF MOUTH OF CHEBOYGAN HARBOR.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.
	By commodities (bulk).	By classes.	By commodities.	By classes.	
SHIPMENTS.					*Miles.*
Wood and paper: Lumber	756	756	$15,681	$15,681	251

SUMMARY.

Classes of commodities.	Foreign, imports.		Domestic.				Total.	
			Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	300	$63,000	458	$102,360			758	$165,360
Nonmetallic minerals			16,000	76,800			16,000	76,800
Unclassified			720	162,000	976	$219,600	1,696	381,600
Total	300	63,000	17,178	341,160	976	219,600	18,454	623,760

ON LAKE FRONT ABOUT 1 MILE NORTH OF MOUTH OF CHEBOYGAN HARBOR.

Wood and paper					756	$15,681	756	$15,681

Vessels arrived and departed, 1921.

Class.	American.	Foreign.	Total.	Net registered tonnage.
Registered:				
Steam	23		23	33,601
Sail and barge				
Motor	122		122	1,730
Total	145		145	35,331

Decrease of tonnage, 1921 under 1920, 41,268 tons.
Greatest draft of vessels arrived and departed, 1921, 18 feet.
Water transportation lines abandoned, none.
Water transportation lines established, none.

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ROGERS CITY, MICH.—CALCITE, MICH.

Comparative statement of traffic.

Year.	Rogers City, Mich.		Calcite, Mich.	
	Tons.	Value.	Tons.	Value.
1914	9,173	$157,226	1,702,400	$1,276,800
1915	9,415	334,450	2,600,000	2,080,000
1916	6,857	171,624	3,213,635	1,632,681
1917	4,137	216,831	4,188,285	2,564,142
1918	2,960	199,050	4,305,000	3,186,250
1919	2,450	185,600	4,501,820	2,826,423
1920	.....	.....	6,544,614	3,817,452
1921	.....	.....	3,503,260	2,157,029

[Season of navigation: Opened May 1, closed Nov. 30, 1921.]

Freight traffic, 1921.

CALCITE, MICH.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.[1]
	By commodities (bulk).	By classes.	By commodities.	By classes.		
EXPORTS.					*Miles.*	*Mills.*
Nonmetallic minerals: Limestone	24,343	24,343	$12,297	$12,297	245	(2)

DOMESTIC.

RECEIPTS.						
Nonmetallic minerals: Coal, bituminous	25,756	25,756	.....	$134,280	312	2.03
SHIPMENTS.						
Nonmetallic minerals	.....	3,453,161	.....	2,010,452	.....	.....
Limestone	1,434,170	.....	$1,109,126	.....	389	.85
Do	2,018,991	.....	901,326	.....	403	(2)
Total	3,453,161	3,453,161	.....	2,010,452	.....	.....
Total receipts and shipments	3,478,917	3,478,917	.....	2,144,732	.....	.....

[1] Approximate only. Impracticable to obtain figures for other items.
[2] Unknown.

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic.				Total.	
			Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals	24,343	$12,297	25,756	$134,280	3,453,161	$2,010,452	3,503,260	$2,157,029

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ROGERS CITY, MICH.—CALCITE, MICH.—continued.

Vessels arrived and departed (Calcite), 1921.

Classes.	American.	Foreign.	Total.	Net registered tonnage.
Registered: Steam	624	4	628	2,803,577

Value of exports by water, $12,297.
Greatest depth of vessels arrived and departed, 1921, Calcite, 22 feet.

ALPENA HARBOR, MICH.

Comparative statement of traffic.

Year.	Alpena Harbor.		On Bay Shore 2 miles north of river.	
	Tons.	Value.	Tons.	Value.
1892	337,379	(1)	(1)	(1)
1893	360,588	(1)	(1)	(1)
1894	465,991	(1)	(1)	(1)
1895	305,160	(1)	(1)	(1)
1896	349,754	(1)	(1)	(1)
1897	371,539	(1)	(1)	(1)
1898	296,375	(1)	(1)	(1)
1899	225,613	(1)	(1)	(1)
1900	315,355	(1)	(1)	(1)
1901	231,573	(1)	(1)	(1)
1902	253,414	(1)	(1)	(1)
1903	222,943	(1)	(1)	(1)
1904	202,103	(1)	(1)	(1)
1905	274,116	(1)	(1)	(1)
1906	249,426	(1)	(1)	(1)
1907	[2] 585,519	(1)	(1)	(1)
1908	269,798	(1)	(1)	(1)
1909	[2] 648,490	$5,329,252	(1)	(1)
1910	[2] 801,264	4,847,039	(1)	(1)
1911	[2] 804,440	5,912,630	(1)	(1)
1912	[2] 942,283	6,672,878	(1)	(1)
1913	[2] 938,217	3,249,263	(1)	(1)
1914	[2] 1,141,412	3,604,806	(1)	(1)
1915	[2] 1,166,770	3,121,282	(1)	(1)
1916	87,054	871,625	555,474	$1,638,327
1917	86,057	1,040,691	1,228,253	2,754,711
1918	79,480	943,150	1,222,250	3,183,575
1919	75,372	969,665	837,979	2,832,511
1920	37,455	882,409	1,063,534	4,014,332
1921	28,259	237,172	509,481	2,837,561

[1] No statistics available.
[2] Includes commerce on Bay Shore 2 miles north of river.

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ALPENA HARBOR, MICH.—continued.

[Season of navigation: Opened Apr. 11, closed Dec. 11, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate, ton-mile.[1]
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS.							
Animals and animal products:						*Miles.*	*Mills.*
Fish		407	407	$86,268	$86,268		(2)
Wood and paper			200		4,335		
Lumber	88			2,100			(2)
Shingles		112		2,235			(2)
Nonmetallic minerals: Coal, bituminous	27,652		27,652	146,569	146,569	350	2.14
Total	27,740	519	28,259		237,172		

ON BAY SHORE 2 MILES NORTH OF RIVER (ALPENA).

RECEIPTS.							
Nonmetallic minerals: Coal, bituminous	116,910		116,910	$558,371	$558,371	370	2.00
SHIPMENTS.							
Nonmetallic minerals			482,571		2,279,190		
Cement	176,984			2,179,874		359	(2)
Limestone	305,587			99,316		239	1.05
Total	482,571		482,571	2,279,190	2,279,190		
Total receipts and shipments	599,481		599,481		2,837,561		

[1] Approximate only. Impracticable to obtain figures for other items.
[2] Unknown.

SUMMARY FOR ALPENA HARBOR.

Classes and commodities.	Domestic receipts.		Total.	
	Tons.	Value.	Tons.	Value.
Animals and animal products	407	$86,268	407	$86,268
Wood and paper	200	4,335	200	4,335
Nonmetallic minerals	27,652	146,569	27,652	146,569
Total	28,259	237,172	28,259	237,172

Vessels arrived and departed, 1921.

Class.	American.	Foreign.	Total.	Net registered tonnage.
Registered: Steam	330		330	541,08[illegible]

Decrease in tonnage, 1921 under 1920, 308,824 tons.
Greatest draft of vessels in Alpena Harbor, arrived or departed in 1921, 20 feet.
Water transportation lines abandoned, Detroit & Cleveland Navigation Co.

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SAGINAW RIVER, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890	1,625,369	(1)	1906	293,105	(1)
1891	1,629,150	(1)	1907	275,572	(1)
1892	1,521,105	(1)	1908	264,948	(1)
1893	1,720,461	(1)	1909	342,723	$4,109,446
1894	1,108,307	(1)	1910	245,789	2,769,610
1895	738,897	(1)	1911	236,636	2,342,254
1896	711,602	(1)	1912	241,426	2,314,229
1897	1,350,820	(1)	1913	177,829	1,894,596
1898	1,491,452	(1)	1914	163,900	1,930,782
1899	1,040,176	(1)	1915	155,965	1,867,927
1900	885,080	(1)	1916	138,828	1,762,771
1901	1,945,033	(1)	1917	151,432	1,925,377
1902	1,119,029	(1)	1918	107,141	1,773,802
1903	377,778	(1)	1919	73,110	1,086,406
1904	277,076	(1)	1920	98,905	2,040,265
1905	241,387	(1)	1921	54,254	1,014,110

[1] No statistics available.

[Season of navigation: Opened Apr. 14; closed Dec. 2, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.[1]
	Bulk.	Package.		By commodities.	By classes.		
IMPORTS.						*Miles.*	*Mills*
Wood and paper			33,722		$808,578		
Lumber	33,413			$802,404		221	12.36
Lath		309		6,174		240	13.90
Total	33,413	309	33,722		808,578		

DOMESTIC.

RECEIPTS.							
Animals and animal products:							
Fish		277	277	$26,977	$26,977		
Wood and paper			16,866		169,788		
Lumber	4,366			69,788		327	9.00
Logs	12,500			100,000			
Nonmetallic minerals: Sand	3,375		3,375	6,375	6,375		
Total	20,241	277	20,518		203,140		
SHIPMENTS.							
Unclassified: Miscellaneous merchandise		14	14	2,392	2,392		
Total receipts and shipments	20,241	291	20,532		205,532		

[1] Approximate only. Impracticable to obtain information on other items.

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SAGINAW RIVER, MICH.—continued.

SUMMARY.

Classes and commodities.	Foreign imports.		Domestic.				Total.	
			Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	.....	.....	277	$26,977	.....	.....	277	$26,977
Wood and paper	33,722	$808,578	16,866	169,788	.....	.....	50,588	978,366
Nonmetallic minerals	.....	.....	3,375	6,375	.....	.....	3,375	6,375
Unclassified	.....	.....	.....	.....	14	$2,392	14	2,392
Total	33,722	808,578	20,518	203,140	14	2,392	54,254	1,014,110

Vessels arrived and departed, 1921.

Class.	American.	Total.	Net registered tonnage.
Registered:			
Steam	81	81	31,252
Sail and barge	61	61	33,151
Motor	.....	.....	.....
Total	142	142	64,403

No record of unregistered tonnage.

Decrease of tonnage, 1921 under 1920 ..... per cent.. 8.21
Amount of revenue collected, calendar year 1921, lake commerce $20.96
Value of imports:
By lake, free $1,137,880
By lake, dutiable 267
$1,138,147
Value of exports: By lake $7,052
Greatest draft of loaded vessels using waterway in 1921 ..... feet.. 14
Least draft of loaded vessels using waterway in 1921 ..... do... 10

HARBOR BEACH, MICH.—HARBOR OF REFUGE—LAKE HURON, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1913	11,297	$335,223	.....	1917	25,794	$430,588	4,050
1914	15,780	321,747	.....	1918	21,920	514,414	3,723
1915	18,645	359,909	.....	1919	23,156	711,614	5,014
1916	18,979	457,993	.....	1920	21,716	466,492	2,923
				1921	18,272	118,047	.....

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HARBOR BEACH, MICH.—HARBOR OF REFUGE—LAKE HURON, MICH.—continued.

Vessels entered harbor for shelter.

Year.	Number.	Net registered tonnage.	Year.	Number.	Net registered tonnage.
1877	493	142,619	1900	1,266	763,004
1878	781	243,006	1901	1,338	912,018
1879	921	278,926	1902	1,349	898,189
1880	1,317	361,592	1903	1,081	780,541
1881	1,176	328,460	1904	922	678,928
1882	1,022	286,703	1905	1,099	800,241
1883	1,139	328,926	1906	954	771,875
1884	1,142	314,222	1907	887	701,618
1885	1,158	377,397	1908	703	622,264
1886	1,304	370,987	1909	827	744,885
1887	1,447	458,094	1910	860	722,292
1888	1,624	513,864	1911	693	589,145
1889	1,512	493,537	1912	615	571,002
1890	1,575	533,782	1913	515	339,758
1891	1,341	491,060	1914	359	213,532
1892	1,441	554,556	1915	391	255,654
1893	982	378,263	1916	235	210,398
1894	1,150	478,506	1917	283	228,073
1895	1,204	550,667	1918	226	145,860
1896	1,073	377,086	1919	218	143,866
1897	1,205	479,387	1920	169	100,744
1898	1,204	630,896	1921	172	80,607
1899	1,254	692,544			

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS.					
Animals and animal products: Fish		225	225	$45,000	$45,000
Nonmetallic minerals			18,047		73,047
Coal, bituminous	17,039			71,787	
Gravel	1,008			1,260	
Total receipts	18,047	225	18,272		118,047

SUMMARY.

	Receipts.		Total.	
	Tons.	Value.	Tons.	Value.
Animals and animal products, except wool and hair	225	$45,000	225	$45,000
Nonmetallic minerals	18,047	73,047	18,047	73,047
Total	18,272	118,047	18,272	118,047

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HARBOR BEACH, MICH.—HARBOR OF REFUGE—LAKE HURON, MICH.—continued.

Vessels entered and departed, 1921.

Classes.	American.	Net registered tonnage.
Registered: Steam	608	35,425

No record of unregistered vessels.
Decrease of tonnage, 1921 under 1920, 84.1 per cent.
Greatest draft of vessels arrived or departed in 1921, 12 feet.
Water transportation lines abandoned: Detroit & Cleveland Navigation Co.

Summary of vessels sheltered in the harbor of refuge at Harbor Beach, Mich., during calendar year 1921.

Wind direction and vessel classification.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
North:										
Steam	2	3		1			4	2		12
Tow		1		1			1			3
Gas			5	5	2	2				14
Total	2	4	5	7	2	2	5	2		29
Northwest:										
Steam		4		1	3		2	4	1	15
Tow		3			2					5
Sail								1		1
Gas			1	3			1			5
Total		7	1	4	5		3	5	1	26
West:										
Steam		2	1		2	7	1	1		14
Tow		3					1			4
Sail						1				1
Gas			2		2	1				5
Total		5	3		4	9	2	1		24
Southwest:										
Steam				6	4	6	8	3	1	28
Tow						6	5			11
Gas				2	3	1	1			7
Total				8	7	13	14	3	1	46
South:										
Steam		1			1	1				3
Gas				1						1
Total		1		1	1	1				4
Southeast:										
Steam	1	2		1	8	2				14
Tow					1					1
Gas	1		1	2	6	2	1			13
Total	2	2	1	3	15	4	1			28
East:										
Steam				1			2			3
Tow							1			1
Gas				1						1
Total				2			3			5
Northeast:										
Steam		2			1			1		4
Gas			1	4	1					6
Total		2	1	4	2			1		10
Monthly total:										
Steam	3	14	1	10	19	16	17	11	2	93
Tow		7		1	3	6	8			25
Sail						1		1		2
Gas	1		10	18	14	6	3			52
Total	4	21	11	29	36	29	28	12	2	172

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HARBOR BEACH, MICH.—HARBOR OF REFUGE—LAKE HURON, MICH.—continued.

Classified table of tonnage, by months, sheltered in the harbor of refuge, Harbor Beach, Mich., during the calendar year 1921.

Months.	Steam.		Sail.		Tow.		Gas.		Total.	
	Number.	Tons.	Number.	Tons.	Number.	Tons.	Number.	Tons.	Number.	Tons.
April	3	971					1	17	4	988
May	14	9,155			7	2,155			21	11,130
June	1	120					10	925	11	1,045
July	10	3,255			1	722	18	604	29	4,581
August	19	7,362			3	1,629	14	344	36	9,335
September	16	10,116	1	127	6	6,273	6	134	29	16,650
October	17	14,525			8	6,214	3	112	28	20,851
November	11	11,517	1	230					12	11,747
December	2	4,100							2	4,100
Total	93	61,121	2	357	25	16,998	52	2,136	172	80,607

[Season of navigation: Opened Mar. 1; closed Dec. 31, 1921.]

BLACK RIVER AND ST. CLAIR RIVER AT PORT HURON, MICH.

Comparative statement of traffic.

BLACK RIVER.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890	68,288	(1)	1906	135,695	(1)
1891	89,885	(1)	1907	168,152	(1)
1892	128,129	(1)	1908	129,240	(1)
1893	182,568	(1)	1909	118,122	$399,878
1894	120,948	(1)	1910	113,322	367,417
1895	111,675	(1)	1911	115,182	498,536
1896	180,586	(1)	1912	114,443	437,821
1897	98,380	(1)	1913	105,191	534,298
1898	168,201	(1)	1914	123,673	504,825
1899	168,043	(1)	1915	126,880	796,846
1900	106,112	(1)	1916	117,790	377,718
1901	120,118	(1)	1917	80,006	371,989
1902	126,277	(1)	1918	137,277	1,024,322
1903	163,265	(1)	1919	87,062	765,080
1904	197,044	(1)	1920	86,424	539,400
1905	169,200	(1)	1921	79,376	420,235

ST. CLAIR RIVER.

1919	186,169	3,406,116	1921	176,040	2,024,414
1920	188,490	1,931,622			

[1] No statistics available.

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BLACK RIVER AND ST. CLAIR RIVER AT PORT HURON, MICH.—contd.

[Season of navigation: Opened Jan. 1, closed Dec. 31, 1921 (ferry service).]

Freight traffic, 1921.

BLACK RIVER, MICH.

FOREIGN.

Classes and commodities.	Amount in short tons, by commodities.			Value.		Average haul.	Rate per ton-mile.[1]
	Bulk.	Package.	By classes.	By commodities.	By classes.		
IMPORTS.						*Miles.*	*Mills.*
Wood and paper: Pulp wood	30,996	.....	30,996	$247,969	$247,969	542	2.94

DOMESTIC.

RECEIPTS.							
Nonmetallic minerals	.....	.....	48,280	.....	$149,766	.....	.....
Coal, bituminous	29,515	.....	.....	$137,498	.....	118	8.05
Sand and gravel	18,765	.....	.....	12,268	.....	.....	(2)
Unclassified: Miscellaneous merchandise	.....	50	50	11,250	11,250	2	(2)
Total	48,280	50	48,330	.....	161,016	.....	.....
SHIPMENTS.							
Unclassified: Miscellaneous merchandise	.....	50	50	11,250	11,250	2	(2)
Total receipts and shipments	48,280	100	48,380	.....	172,266	.....	.....

SUMMARY.

Classes and commodities.	Foreign, imports.		Domestic.				Total.	
			Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper	30,996	$247,969	.....	.....	.....	.....	30,996	$247,969
Nonmetallic minerals	.....	.....	48,280	$149,766	.....	.....	48,280	149,766
Unclassified	.....	.....	50	11,250	50	$11,250	100	22,500
Total	30,966	247,969	48,330	161,016	50	11,250	79,376	420,235

[1] Approximate only. Impracticable to obtain information on other items.
[2] Unknown.

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BLACK RIVER AND ST. CLAIR RIVER AT PORT HURON, MICH.—contd.

[Season of navigation: Opened Apr. 6; closed Dec. 26, 1921.]

ST. CLAIR RIVER, MICH.

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.[1]
	Bulk.	Package.		By commodities.	By classes.		
IMPORTS.							
						Miles.	*Mills.*
Vegetables food products, oil seeds, etc			19,249		$618,252		
Wheat	13,526			$492,346		542	
Oats	5,723			125,906		541	
Total			19,249		618,252		
EXPORTS.							
Vegetable food products, oil seeds, etc			4,716		165,852		
Wheat	2,044			74,402		675	
Rye	2,672			91,450		675	
Total imports and exports			23,965		784,104		

DOMESTIC.

RECEIPTS.							
Vegetable food products, oil seeds, etc			39,886		$950,541		
Wheat	7,238			$263,463		571	1.17
Corn	15,589			311,780		521	1.28
Oats	17,059			375,298		571	1.71
Nonmetallic minerals: Coal, bituminous	88,260		88,260	77,677	77,677	118	5.08
Unclassified: Miscellaneous merchandise		150	150	33,750	33,750		([2])
Total	128,146	150	128,296		1,061,968		
SHIPMENTS.							
Nonmetallic minerals: Salt	23,779		23,779	178,342	178,342	565	1.85
Total receipts and shipments	151,925	150	152,075		1,240,310		

[1] Approximate only. Impracticable to obtain information for other items.
[2] Unknown.

SUMMARY.

Classes and commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Vegetable food products: Oil seeds, etc	19,249	$618,252	4,716	$165,852
Nonmetallic minerals				
Unclassified				
Total	19,249	618,252	4,716	165,852

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BLACK RIVER AND ST. CLAIR RIVER AT PORT HURON, MICH.—contd.

SUMMARY—Continued.

Classes and commodities.	Domestic.				Total.	
	Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products: Oil seeds, etc.	39,836	$960,541			63,851	$1,734,645
Nonmetallic minerals	88,260	77,677	23,779	$178,342	112,039	255,019
Unclassified	150	33,750			150	33,750
Total	128,296	1,061,968	23,779	178,342	176,040	2,024,414

Vessels arrived and departed, 1921.

Class.	American.	Foreign.	Total.	Net registered tonnage.
Registered:				
Steam	654	143	797	324,145
Sail and barge	319		319	65,734
Motor				
Total	973	143	1,116	389,879

No record of unregistered vessels.

There was also a line of ferry steamers making about half-hourly trips across St. Clair River and entering Black River, which carried about 825,000 passengers during 1921.

Amount of revenue collected, calendar year 1921, lake commerce $3,678
Enrolled tonnage port of Port Huron ..... gross tons .. 40,512
Greatest draft of vessels in Black River, arrived and departed ..... feet .. 16

ST. CLAIR RIVER.

No report of commerce passing through this river has been kept. It is probably somewhat greater than that passing through the channels in Lake St. Clair. See "Channels in Lake St. Clair."

CHANNELS IN LAKE ST. CLAIR, MICH.

The records show that 4,302,753 registered tons using the Detroit River did not pass through the St. Clair Flats Canal, but either stopped at Detroit or turned and went back down the river. Subtracting this amount from the total shown for the Detroit River leaves for the registered tonnage passing through the St. Clair Flats Canal 38,374,571 tons. Applying to this figure the same percentage of increase—49.9 per cent—used in the Detroit River statistics gives for the estimated actual freight carried through the canal 57,523,481 tons, and using the Detroit River unit value—$15.46 per ton—gives as the value of this actual freight $889,313,016.

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ST. CLAIR FLATS CANAL, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1891	22,160,000	(1)	1910	68,965,947	$723,452,784
1898	35,000,000	(1)	1911	61,498,884	684,482,579
1899	40,000,000	(1)	1912	72,871,432	795,756,037
1900	42,000,000	(1)	1913	78,857,492	856,392,403
1901	48,000,000	(1)	1914	63,799,286	731,139,818
1902	41,773,998	(1)	1915	76,990,239	953,139,159
1903	42,000,000	(1)	1916	95,370,752	1,010,929,971
1904	38,044,929	$403,276,247	1917	88,738,438	1,182,883,379
1905	51,359,071	483,802,449	1918	82,979,184	955,920,199
1906	60,589,441	629,524,292	1919	50,630,434	924,045,923
1907	66,271,962	648,802,508	1920	75,602,648	1,067,509,390
1908	50,586,560	(1)	1921	57,523,481	889,313,016
1909	62,895,134	(1)			

[1] No statistics available.

CLINTON RIVER, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1896	31,159	(1)	1909	26,402	$109,405
1897	29,077	(1)	1910	11,114	67,575
1898	29,085	(1)	1911	12,449	72,854
1899	35,525	(1)	1912	10,771	41,998
1900	32,701	(1)	1913	22,683	40,256
1901	36,925	(1)	1914	14,108	40,872
1902	33,868	(1)	1915	14,352	31,777
1903	28,411	(1)	1916	10,946	29,017
1904	23,135	(1)	1917	10,778	108,926
1905	42,299	(1)	1918	11,615	120,800
1906	25,900	(1)	1919	15,342	22,710
1907	24,306	(1)	1920	(2)	(1)
1908	27,567	(1)	1921	(2)	(1)

[1] No statistics available. [2] No commerce.

DETROIT, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.
1920 [1]	1,665,159	$92,148,037	13,167,000
1921	1,476,289	41,706,455	11,873,949

[1] No prior reports submitted.

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DETROIT, MICH.—continued.

[Navigation season: Opened Mar. 5; closed Dec. 29, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton mile.[1]
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS.						*Miles.*	*Mills.*
Animals and animal products			111		$52,360		
Fish and game		26		$10,400			
Horses and mules		18		4,050			
Eggs		22		19,910			
Packing-house products		45		18,000			
Vegetable food products			17,761		982,346		
Wheat	14,475			540,415		686	1.25
Flour		1,213		97,040			
Fruits		76		6,080			
Vegetables		30		1,500			
Potatoes		5		125			
Grain		5		108			
Canned goods		356		89,356			
Farm produce		752		94,000			
Hay		10		150			
Vegetable oils		273		82,992			
Sugar, sirup, and molasses		528		63,360			
Beverages		38		7,220			
Other vegetable products		36	36	115,200	115,200		
Textiles: Dry goods		61	61	22,400	22,400		
Wood and paper			7,701		222,900		
Lumber	7,077			169,848			
Lath		418		8,352			
Furniture		35		10,500			
Paper and books		159		31,800			
Other wood products		12		2,400			
Nonmetallic minerals			1,269,939		1,529,380		
Coal, bituminous	115,613			462,452			
Limestone	344,558			258,418			
Petroleum products		583		233,200			
Asphaltum		80		1,600			
Lime and plaster		6		210			
Clay, gravel, sand and stone		329		987			
Sand and gravel	808,770			572,513			
Ores, metals, and manufactures of			27,430		4,226,094		
Copper	10,543			2,688,465			
Structural steel		16,201		1,465,182			
Bar and structural iron and iron pipe		244		17,080			
Pig, bar, and sheet iron		348		24,360			
Rails and fastenings		61		3,782			
Sewer pipe and drain tile		33		27,225			
Machinery and vehicles			1,372		734,800		
Automobiles and automobile trucks		268		241,200			
Automobile bodies		140		108,000			
Machinery		964		385,600			
Chemicals and explosives		554	554	211,600	211,600		
Unclassified: Miscellaneous merchandise		62,780	62,780	14,125,500	14,125,500		
Total	1,301,036	86,709	1,387,745		22,222,580		

[1] Approximate only. Impracticable to obtain figures for other items.

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DETROIT, MICH.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS.						*Miles.*	*Mills.*
Animals and animal products			48		$20,600		
Packing house products		41		$16,400			
Butter and cheese		7		4,200			
Vegetable food			232		40,816		
Flour		32		1,360			
Fruits		47		3,760			
Vegetables		15		750			
Canned goods		138		34,946			
Textiles			471		288,755		
Dry goods		12		2,700			
Wool		459		286,055			
Wood and paper			139		34,100		
Furniture		63		18,900			
Paper and books		76		15,200			
Nonmetallic minerals			28,100		260,616		
Petroleum products		6		2,400			
Lime and plaster		5		175			
Cement		11		150			
Brick and artificial stone		22		440			
Coke	26,121			256,000		333	
Limestone	1,935			1,451			
Ores, metals, and manufactures of			245		16,838		
Bar and structural iron and iron pipe		95		7,838			
Pig, bar and sheet iron		150		9,000			
Machinery and vehicles: Automobiles and automobile trucks		8,115	8,115	7,303,500	7,303,500		
Unclassified: Miscellaneous merchandise		51,194	51,194	11,518,650	11,518,650		
Total	28,056	60,488	88,544		19,483,875		
Total receipts and shipments	1,329,092	147,197	1,476,289		41,706,455		

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products	111	$52,360	48	$20,600	159	$72,960
Vegetable food products	17,761	982,346	232	40,816	17,993	1,023,162
Other vegetable products	36	115,200			36	115,200
Textiles	61	22,400	471	288,755	532	311,155
Wood and paper	7,701	222,900	139	34,100	7,840	257,000
Nonmetallic minerals	1,269,939	1,529,830	28,100	260,616	1,298,039	1,789,996
Ores, metals, and manufactures of	27,430	4,226,094	245	16,838	27,675	4,242,932
Machinery and vehicles	1,372	734,800	8,115	7,303,500	9,487	8,038,300
Chemicals	554	211,600			554	211,600
Unclassified	62,780	14,125,500	51,194	11,518,650	113,974	25,644,150
Total	1,387,745	22,222,580	88,544	19,483,875	1,476,289	41,706,455

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DETROIT, MICH.—continued.

Vessels arrived and departed, 1921.

Classes.	American.	Foreign.	Total.	Net registered tonnage.	Passengers.
Registered:					
Steam	1,951	399	2,350	3,150,189	11,873,949
Sail and barge	89	.....	89	37,916	.....
Total	2,040	399	2,439	3,188,105	11,873,949

At Detroit, Mich., there are two lines of passenger ferry steamers crossing the river each at about 15-minute intervals, and there are few lines of passenger steamers which make Detroit a regular port of call. During 1921 the approximate number of passengers carried, as stated in above table, was as follows:

Ferry steamers crossing river	9,309,113
Excursions to near-by resorts	1,377,649
Regular travel to other ports	1,187,187
Total	11,873,949

DETROIT RIVER, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890	21,684,000	(1)	1906	63,808,571	$662,971,053
1891	23,209,619	(1)	1907	71,226,895	697,311,302
1892	26,553,819	(1)	1908	54,086,750	614,425,490
1893	23,091,889	(1)	1909	67,789,369	732,803,079
1894	24,263,868	(1)	1910	73,526,602	771,294,055
1895	25,845,679	(1)	1911	66,951,231	745,167,201
1896	27,900,520	(1)	1912	78,671,208	859,089,591
1897	35,000,000	(1)	1913	85,376,705	927,191,016
1898	35,000,000	(1)	1914	69,810,853	800,032,275
1899	40,000,000	(1)	1915	82,514,457	1,021,528,978
1900	42,000,000	(1)	1916	100,907,279	1,069,617,157
1901	48,000,000	(1)	1917	95,243,119	1,269,590,776
1902	44,260,506	$140,834,640	1918	98,855,529	1,023,615,590
1903	46,817,245	471,917,830	1919	73,091,328	979,423,795
1904	42,800,000	453,508,656	1920	80,410,082	1,135,390,357
1905	55,508,366	522,888,751	1921	63,973,308	989,027,342

[1] No statistics available.

Freight traffic, 1921.

The actual freight, in tons, that is carried through the Detroit River can be closely estimated by comparison with the tonnage of St. Marys Falls Canal, where records of both net registered and actual freight are kept. During the season of 1921 the actual freight passing St. Marys Falls Canal was 49.9 per cent greater than the net registered tonnage. Since about three-fourths of the Detroit River tonnage is St. Marys Falls Canal tonnage, there is no error in assuming that the ratio for this three-fourths is the same for the Detroit River as for St. Marys Falls Canal, and it is reasonable to suppose that the ratio between the registered and freight tonnage of the remaining one-fourth is also the same as that for St. Marys Falls Canal. Therefore, increasing the registered tonnage by 49.9 per cent, the estimated actual freight of Detroit River is 63,973,308 short tons.[1]

The average value of the freight passing St. Marys Falls Canal during the season of 1921 was found to be $15.46 per ton. Assuming this unit value for Detroit River commerce, the total estimated value of the actual freight passing Detroit River during the season of 1921, would be $989,027,342.

[1] 2,000 pounds.

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ROUGE RIVER, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value
1893	73,732	(1)	1908	267,746	(1)
1894	47,106	(1)	1909	336,022	(1)
1895	114,090	(1)	1910	661,902	(1)
1896	123,495	(1)	1911	951,309	$3,216,515
1897	125,373	(1)	1912	1,321,098	3,422,994
1898	127,745	(1)	1913	1,684,742	4,401,466
1899	93,394	(1)	1914	1,439,932	3,301,782
1900	124,312	(1)	1915	1,651,823	3,759,224
1901	106,215	(1)	1916	1,415,550	5,229,589
1902	66,701	(1)	1917	1,954,470	7,232,039
1903	136,272	(1)	1918	1,850,391	8,851,731
1904	249,259	(1)	1919	996,825	4,008,555
1905	284,140	(1)	1920	1,632,024	8,091,480
1906	234,861	(1)	1921	842,359	2,873,597
1907	253,544	(1)			

[1] No statistics available.

[Navigation season: Opened Mar. 5; closed Dec. 29, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.[1]
	By commodities.	By classes.	By commodities.	By classes.		
IMPORTS.					*Miles.*	*Mills.*
Wood and paper		55,448		$553,858		
Lumber	5,030		132,720		329	21.74
Lath	332		6,630		340	23.13
Pulp wood	50,086		414,508		538	5.97
Nonmetallic minerals: Sand and gravel	19,138	19,138	18,175	18,175		
Total		74,586		572,033		

[1] Approximate only. Impracticable to obtain figures for other items.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.[1]
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS.						*Miles.*	*Mills.*
Wood and paper			37,566		$413,621		
Lumber	7,432			$178,374		423	15.27
Pulp wood	30,134			235,247		676	3.70
Nonmetallic minerals			420,227		307,091		
Coal, bituminous	1,662			4,472			
Stone, flux	323,494			237,238		261	.98
Limestone	60,000			42,000			
Sand and gravel	35,071			23,381			
Ores, metals, etc.: Iron ore	309,971		309,971	1,580,852	1,580,852	536	1.56
Total	767,764		767,764		2,301,564		

[1] Approximate only. Impracticable to obtain figures for other items.

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ROUGE RIVER, MICH.—continued.

SUMMARY.

Classes and commodities.	Foreign, imports.		Domestic, receipts.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper	55,448	$553,858	37,566	$413,621	93,014	$967,479
Nonmetallic minerals	19,138	18,175	420,227	307,091	439,365	325,266
Ores, metals, etc			309,971	1,580,852	309,971	1,580,552
Total	74,586	572,033	767,764	2,301,564	842,350	2,873,597

Vessels arrived and departed, 1921.

Class.	American.	Foreign.	Total.	Net registered tonnage.
Registered:				
Steam	1,506	10	1,516	317,[illegible]
Sail and barge	488		488	228,[illegible]
Motor	369		369	3,781
Total	2,363	10	2,373	549,763

Unregistered vessels 293
Decrease of tonnage, 1921 under 1920 ..... tons.. 255,334
Greatest draft of vessels arrived or departed in 1921 ..... feet.. 21

MONROE, MICH.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1897	1,735	(1)	1910	5,800	$106,650
1898	3,864	(1)	1911	9,846	125,670
1899	4,775	(1)	1912	6,751	35,210
1900	6,508	(1)	1913	2,155	81,938
1901	3,785	(1)	1914	2,350	58,025
1902	972	(1)	1915	8,480	110,000
1903	7,725	(1)	1916	9,110	91,350
1904	6,259	(1)	1917	7,960	25,400
1905	16,177	(1)	1918	282	35,750
1906	11,388	(1)	1919 [2]		
1907	6,857	(1)	1920 [2]		
1908	9,150	(1)	1921 [2]		
1909	12,134	$82,479			

[1] No statistics available. [2] No commerce.

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TOLEDO HARBOR, OHIO.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1891	1,426,274	(1)	(1)	1907	5,077,875	(1)	(1)
1892	1,764,003	(1)	(1)	1908	3,994,246	$14,560,300	(1)
1893	1,226,766	(1)	(1)	1909	5,284,715	16,662,325	(1)
1894	2,094,933	(1)	(1)	1910	6,520,392	20,867,623	(1)
1895	2,037,500	(1)	(1)	1911	6,407,878	19,017,281	(1)
1896	2,154,728	(1)	(1)	1912	6,938,354	25,280,674	(1)
1897	2,409,594	(1)	(1)	1913	7,510,634	25,355,100	424,479
1898	2,383,655	(1)	(1)	1914	7,166,172	22,826,168	195,552
1899	2,543,069	(1)	(1)	1915	7,416,834	33,953,807	236,895
1900	2,998,456	(1)	(1)	1916	10,335,530	40,931,248	297,145
1901	3,086,364	(1)	(1)	1917	13,710,238	80,318,986	324,176
1902	3,866,772	(1)	(1)	1918	13,769,388	86,990,512	211,335
1903	3,532,514	(1)	(1)	1919	10,130,014	60,866,644	395,009
1904	3,115,019	(1)	(1)	1920	10,904,293	75,957,116	132,144
1905	3,613,389	(1)	(1)	1921	9,202,109	42,854,604	178,830
1906	4,522,280	(1)	(1)				

[1] No statistics available.

[Navigation season: Opened Mar. 14; closed Dec. 24, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.[1]
	By commodities.	By classes.	By commodities.	By classes.		
IMPORTS.						
					Miles.	*Mills.*
Vegetable food products, oil seeds, etc		72,187		$3,667,675		
Flax	9,075		$638,435		659	1.25
Rye	1,680		59,992		659	2.71
Wheat	61,432		2,969,248		652	2.56
Wood and paper		6,230		195,933		
Lath	851		23,829		360	9.47
Lumber	5,379		172,104		373	7.72
Nonmetallic minerals: Sand and gravel	3,800	3,800	1,900	1,900		
Total		82,217		3,865,508		
EXPORTS.						
Vegetable food products, oil seeds, etc		16,271		728,556		
Rye	9,261		402,001		605	4.13
Wheat	7,010		326,555		605	3.85
Nonmetallic minerals		954,718		3,856,497		
Coal, bituminous (cargo)	882,176		3,087,616		353	1.59
Coal, bituminous (bunker)	23,489		140,934			
Oil, gasoline	10,537		170,673			
Petroleum, crude	38,516		457,274		115	
Total		970,989		4,585,053		
Total imports and exports		1,053,206		8,450,561		

[1] Approximate only. Impracticable to obtain figures for other items.

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TOLEDO HARBOR, OHIO—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.[1]
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS.							
Animals and animal products:						*Miles.*	*Mills.*
Fish	483		483	$70,820	$70,820		
Vegetable food products			46,513		2,445,626		
Flax	20,695			1,425,342		781	1.14
Oats	9,754			243,860		690	1.81
Wheat	16,064			776,424		781	1.28
Wood and paper			4,320		110,241		
Lumber	2,636			75,574		681	4.63
Posts, cedar	1,244			29,385		387	7.05
Ties, cedar	440			5,282		387	5.68
Nonmetallic minerals			272,205		313,362		
Coal, bituminous (cargo)	47,227			223,371		139	3.60
Sand and gravel	224,978			89,991			
Ores, metals, etc.: Iron ore	460,454		460,454	1,973,376	1,973,376	679	1.09
Machinery and vehicles: Automobiles	480		480	469,825	469,825		
Unclassified: Miscellaneous merchandise		1,364	1,364	409,200	409,200		
Total	784,455	1,364	785,819		5,792,450		
SHIPMENTS.							
Nonmetallic minerals			7,358,778		26,285,293		
Coal, bituminous (cargo)	7,140,246			24,990,861		662	.85
Coal, bituminous (bunker)	214,342			1,286,052			
Limestone	4,190			8,380		781	
Machinery and vehicles: Automobiles	1,555		1,555	1,501,000	1,501,000		
Unclassified: Miscellaneous merchandise		2,751	2,751	825,300	825,300		
Total	7,360,333	2,751	7,363,084		28,611,593		
Total receipts and shipments			8,148,903		34,404,043		

[1] Approximate only. Impracticable to obtain figures for other items.

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Vegetable food products	72,187	$3,667,675	16,271	$728,556
Wood and paper	6,230	195,933		
Nonmetallic minerals	3,800	1,900	954,718	3,856,497
Total	82,217	3,865,508	970,989	4,585,053

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TOLEDO HARBOR, OHIO—continued.

SUMMARY—Continued.

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products	483	$70,820	.....	.....	483	$70,820
Vegetable food products	46,513	2,445,626	.....	.....	134,971	6,841,857
Wood and paper	4,320	110,241	.....	.....	10,550	306,174
Nonmetallic minerals	272,205	313,362	7,358,778	$26,285,293	8,589,501	30,457,062
Ores, metals, etc	460,454	1,973,376	.....	.....	460,454	1,973,376
Machinery and vehicles	480	469,825	1,555	1,501,000	2,035	1,970,825
Unclassified	1,364	409,200	2,751	825,300	4,115	1,234,500
Total	785,819	5,792,450	7,363,084	28,611,593	9,202,109	42,854,604

Vessels arrived and departed, 1921.

Class.	American.	Foreign.	Total.	Net registered tonnage.	Passengers.
Registered:					
Steam	4,850	170	5,020	9,230,614	178,830
Sail and barge	314	81	395	386,008	.....
Motor	374	.....	374	2,744	.....
Total	5,538	251	5,789	9,619,366	.....

No record of unregistered vessels.

Decrease of tonnage, 1921 under 1920	tons	490,173
Amount of revenue collected, calendar year 1921, lake commerce		$305
Value of imports, by lake, free		$3,865,508
Value of exports, lake		$8,441,550
Enrolled tonnage, port of Toledo		6,734
Greatest draft of vessels arrived or departed in 1921	feet	21

BUFFALO, N. Y., DISTRICT.

PORT CLINTON HARBOR, OHIO.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1891	7,775	(1)	(1)	1907	10,651	(1)	(1)
1892	29,484	(1)	(1)	1908	13,068	$257,400	(1)
1893	No report.	(1)	(1)	1909	8,174	243,185	(1)
1894	7,961	(1)	(1)	1910	10,177	324,340	(1)
1895	6,641	(1)	(1)	1911	8,052	233,546	(1)
1896	3,257	(1)	(1)	1912	7,927	173,386	(1)
1897	6,226	(1)	(1)	1913	6,413	208,555	(1)
1898	4,177	(1)	(1)	1914	6,645	222,735	4,283
1899	5,135	(1)	(1)	1915	9,009	162,795	2,000
1900	8,730	(1)	(1)	1916	10,525	233,523	2,000
1901	9,629	(1)	(1)	1917	2,824	133,192	3,528
1902	11,613	(1)	(1)	1918	1,872	205,550	4,970
1903	6,649	(1)	(1)	1919	5,577	197,221	9,780
1904	6,535	(1)	(1)	1920	16,934	399,771	7,270
1905	13,382	(1)	(1)	1921	5,893	186,890	6,347
1906	11,930	(1)	(1)				

[1] No statistics available.

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PORT CLINTON HARBOR, OHIO—continued.

[Navigation season opened Mar. 15; closed Dec. 8, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS, INTERNAL.						*Miles.*
Animals and animal products: Fresh fish	.....	1,538	1,538	$169,180	$169,180	12
Nonmetallic minerals: Lake sand	2,450	.....	2,450	1,960	1,960	5
Total	2,450	1,538	3,988	.....	171,140	.....
SHIPMENTS, INTERNAL.						
Vegetable food products: Feeds	.....	105	105	3,150	3,150	15
Nonmetallic minerals: Coal, bunker	1,800	.....	1,800	12,600	12,600	.....
Total	1,800	105	1,905	.....	15,750	.....
Total receipts and shipments	4,250	1,643	5,893	.....	186,890	.....

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products	1,538	$169,180	.....	.....	1,538	$169,180
Vegetable food products	.....	.....	105	$3,150	105	3,150
Nonmetallic minerals	2,450	1,960	1,800	12,600	4,250	14,560
Total	3,988	171,140	1,905	15,750	5,893	186,890

Vessel classification, 1921.

Class.	Entrances and clearances (American).	Net registered tonnage.	Passengers.
Registered:			
Steam	582	10,460	6,347
Sail and barge	.....	.....	.....
Motor	1,934	12,058	.....
Total	2,516	22,518	6,347

No record of unregistered vessels.

Decrease of net registered tonnage, 1921 under 1920, 13,712.
Greatest draft of vessels arrived or departed in 1921, 9 feet.
Lines of transportation abandoned, 1.
REMARKS.—Transportation line abandoned was that engaged in gypsum shipments to Detroit and Cleveland.

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SANDUSKY HARBOR, OHIO.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1891	435,089	(1)	(1)	1907	2,239,861	(1)	(1)
1892	385,661	(1)	(1)	1908	1,295,474	$5,251,600	(1)
1893	430,030	(1)	(1)	1909	1,586,946	4,995,551	(1)
1894	600,454	(1)	(1)	1910	1,959,162	4,951,222	959,869
1895	761,208	(1)	(1)	1911	2,279,318	6,579,624	808,283
1896	1,383,455	(1)	(1)	1912	2,970,626	10,316,745	638,794
1897	991,974	(1)	(1)	1913	3,253,954	10,593,104	705,893
1898	1,190,317	(1)	(1)	1914	3,129,776	12,778,376	1,605,700
1899	1,164,172	(1)	(1)	1915	3,234,895	12,733,219	133,497
1900	1,265,370	(1)	(1)	1916	3,389,822	13,377,927	278,847
1901	1,188,885	(1)	(1)	1917	4,067,249	19,432,330	190,472
1902	1,357,316	(1)	(1)	1918	2,983,369	13,527,875	232,245
1903	1,473,740	(1)	(1)	1919	2,069,066	16,637,001	353,018
1904	1,436,615	(1)	(1)	1920 [2]	2,277,489	20,080,095	332,016
1905	1,468,677	(1)	(1)	1921 [2]	2,427,220	13,526,919	298,170
1906	1,366,663	(1)	(1)				

[1] No statistics available.
[2] Exclusive of ferry and short-haul traffic.

Decrease in value of freight tonnage, 1921 under 1920, was chiefly due to reduction in value of bituminous coal.

[Navigation season: Opened Mar. 15; closed Dec. 24, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products: Fresh fish	362	362	$50,680	$50,680
Vegetable food products: Wheat	2,728	2,728	101,839	101,839
Nonmetallic minerals: Lake sand	292,500	292,500	175,500	175,500
Unclassified: Merchandise	24	24	5,400	5,400
Total	295,614	295,614	.....	333,419
EXPORTS.				
Vegetable food products: Wheat	909	909	33,936	33,936
Nonmetallic minerals: Bituminous coal	206,703	206,703	992,174	992,174
Unclassified: Merchandise	128	128	28,800	28,800
Total	207,740	207,740	1,054,910	1,054,910
Total imports and exports	503,354	503,354	.....	1,388,329

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SANDUSKY HARBOR, OHIO—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS.							
Animals and animal products:						*Miles.*	*Mills.*
Fresh fish		3,897	3,897	$467,640	$467,640	20	
Vegetable food products: Wheat	2,700		2,700	100,800	100,800	685	1.3
Nonmetallic minerals			192,189		117,711		
Lake sand	188,500			113,100		20	
Flux stone	3,689			4,611		30	
Unclassified: Merchandise		4,000	4,000	900,000	900,000	30	
Total	194,889	7,897	202,786		1,586,151		
SHIPMENTS.							
Nonmetallic minerals			1,711,065		8,299,064		
Bituminous coal	1,639,438			7,869,302		650	1.0
Bunker	71,627			429,762			
Unclassified: Merchandise		10,015	10,015	2,253,375	2,253,375	25	
Total	1,711,065	10,015	1,721,080		10,552,439		
Total receipts and shipments	1,905,954	17,912	1,923,866		12,138,590		

FERRY OR SHORT HAUL.

Commodities.	Amount in short tons.	Value.	Passengers.
Sandusky to Cedar Point, building material, household furnishings, groceries, and miscellaneous merchandise	18,000	$4,050,000	634,988
Sandusky to Bay Point			54,253
Sandusky to Hartshorn Dock, miscellaneous merchandise	310	69,750	41,556
Sandusky to various islands, miscellaneous merchandise	345	77,625	1,308
Total	18,655	4,197,375	732,105

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Animals and animal products	362	$50,680		
Vegetable food products	2,728	101,839	909	$33,936
Nonmetallic minerals	292,500	175,500	206,703	992,174
Unclassified	24	5,400	128	28,800
Total	295,614	333,419	207,740	1,054,910

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SANDUSKY HARBOR, OHIO—continued.

SUMMARY—Continued.

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	3,897	$467,640	.....	.....	4,259	$518,320
Vegetable food products	2,700	100,800	.....	.....	6,337	236,575
Nonmetallic minerals	192,189	117,711	1,711,065	$8,299,064	2,402,457	9,584,449
Unclassified	4,000	900,000	10,015	2,253,375	14,167	3,187,575
Total	202,786	1,586,151	1,721,080	10,552,439	2,427,220	13,526,919

	Short tons.	Value.	Passengers.
General ferry	18,655	$4,197,375	732,105

Vessel classification, 1921.

Class.	Entrances and clearances.			Net registered tonnage.	Passengers.
	American.	Foreign.	Total.		
Registered:					
Steam	4,725	158	4,883	3,062,494	298,170
Sail and barge	41	4	45	43,169	.....
Total	4,766	162	4,928	3,105,663	298,170

No record of unregistered vessels.

Increase of net registered tonnage, 1921 over 1920		215,747
Amount of revenue collected, calendar year 1921: Lake commerce		$362.18
Value of imports:		
By lake, free	$328,019	
By lake, dutiable	5,400	
Total		$333,419
Value of exports, lake		$1,054,910
Enrolled tonnage, port of Sandusky, Ohio ..... gross tons		7,528
Greatest draft of vessels arrived or departed in 1921 ..... feet		20

No new lines of transportation established.
No lines of transportation abandoned.

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HURON HARBOR, OHIO.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1891	151,000	(1)	1907	2,321,455	(1)
1892	148,511	(1)	1908	1,167,574	$2,839,300
1893	425,032	(1)	1909	881,106	2,310,306
1894	481,503	(1)	1910	1,216,025	2,987,394
1895	249,675	(1)	1911	1,257,724	3,120,266
1896	518,767	(1)	1912	2,120,003	5,049,556
1897	445,025	(1)	1913	2,557,932	6,534,610
1898	451,206	(1)	1914	1,407,355	3,790,343
1899	(2)	(1)	1915	1,406,005	4,089,159
1900	656,179	(1)	1916	2,869,086	8,519,198
1901	674,492	(1)	1917	3,833,358	17,303,888
1902	795,382	(1)	1918	4,128,327	18,960,210
1903	701,385	(1)	1919	2,826,314	12,946,057
1904	502,848	(1)	1920	3,584,355	23,574,640
1905	1,719,550	(1)	1921	2,214,631	10,949,382
1906	1,675,096	(1)			

[1] No statistics available. [2] No report.

No passenger statistics.

[Navigation season: Opened Apr. 22: closed Nov. 30, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons, by classes.	Value, by classes.
IMPORTS.		
Nonmetallic minerals: Lake sand[1]	2,912	$1,966
EXPORTS.		
Nonmetallic minerals: Bituminous coal	293,232	1,407,514
Total imports and exports	296,144	1,409,480

[1] Pelee Island, Ontario.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	*Mills.*
Animals and animal products: Fresh fish	.....	1,146	1,146	$115,151	$115,151	25	.....
Nonmetallic minerals: Limestone flux	4,363	.....	4,363	6,108	6,108	360	1.39
Ores, metals, and manufactures of: Iron ore	620,263	.....	620,263	3,163,341	3,163,341	783	1.07
Total	624,626	1,146	625,772	.....	3,284,600	.....	.....
SHIPMENTS, INTERNAL.							
Nonmetallic minerals	.....	.....	1,292,715	.....	6,255,302	.....	.....
Bituminous coal—							
Cargo	1,250,823	.....	.....	6,003,950	.....	589	1.19
Bunker	41,892	.....	.....	251,352	.....	.....	.....
Total	1,292,715	.....	1,292,715	.....	6,255,302	.....	.....
Total receipts and shipments	1,917,341	1,146	1,918,487	.....	9,539,902	.....	.....

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HURON HARBOR, OHIO—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.				Total.	
	Imports.		Exports.		Receipts.		Shipments.			
	Tons.	Value	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	.....	.....	.....	.....	1,146	$115,151	.....	.....	1,146	$115,151
Nonmetallic minerals	2,912	$1,966	293,232	$1,407,514	4,363	6,108	1,292,715	$6,255,302	1,593,222	7,670,890
Ores, metals and manufactures of	.....	.....	.....	.....	620,263	3,163,341	.....	.....	620,263	3,163,341
Total	2,912	1,966	293,232	1,407,514	625,772	3,284,600	1,292,715	6,255,302	2,214,631	10,949,382

Vessel classification.

Class.	Entrances and clearances.			Net registered tonnage.
	American.	Foreign.	Total.	
Registered:				
Steam	479	62	541	2,072,650
Sail and barge	2	.....	2	1,134
Total	481	62	543	2,073,784

No record of unregistered vessels.
Decrease of net registered tonnage, 1921 under 1920, 1,828,109.
Value of imports: By lake, free, $1,966.
Value of exports, lake, $1,407,514.
Greatest draft of vessels arrived or departed in 1921, 20.5 feet.
No new lines of transportation established.
No lines of transportation abandoned.

VERMILION HARBOR, OHIO.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1891	3,000	(1)	1907	1,609	(1)
1892	5,350	(1)	1908	1,355	$104,443
1893	4,304	(1)	1909	2,265	136,410
1894	3,273	(1)	1910	2,086	118,097
1895	3,668	(1)	1911	1,608	86,832
1896	3,482	(1)	1912	1,112	81,736
1897	3,826	(1)	1913	748	75,000
1898	1,250	(1)	1914	1,146	112,967
1899	(2)	(1)	1915	982	78,576
1900	(2)	(1)	1916	711	71,100
1901	7,050	(1)	1917	1,149	137,880
1902	2,122	(1)	1918	1,092	141,960
1903	1,500	(1)	1919	597	109,900
1904	4,900	(1)	1920	517	97,590
1905	8,210	(1)	1921	6,414	50,400
1906	1,025	(1)			

[1] No statistics available. [2] No report.

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VERMILION HARBOR, OHIO—continued.

[Navigation season: Opened Mar. 17; closed Dec. 20, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS, INTERNAL.						*Miles.*
Animals and animal products: Fresh fish	.....	414	414	$41,400	$41,400	20
Nonmetallic minerals: Lake sand	6,000	.....	6,000	9,000	9,000	30
Total	6,000	414	6,414	.....	50,400	.....

No shipments.

SUMMARY.

Classes of commodities.	Domestic receipts.	
	Tons.	Value.
Animals and animal products	414	$41,400
Nonmetallic minerals: Lake sand	6,000	9,000
Total	6,414	50,400

Vessel classification, 1921.

Class.	Entrances and clearances.		Net registered tonnage.
	American.	Total.	
Registered:			
Steam	900	900	22,484
Motor	1,144	1,144	27,744
Total	2,044	2,044	50,228

No record of unregistered vessels.
Decrease of net registered tonnage, 1921 under 1920, 5,412.

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LORAIN HARBOR, OHIO.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1891	738,747	(1)	(1)	1907	5,230,420	(1)	(1)
1892	231,434	(1)	(1)	1908	4,399,350	$14,217,900	(1)
1893	826,503	(1)	(1)	1909	5,220,427	17,490,400	(1)
1894	534,015	(1)	(1)	1910	6,014,338	18,851,633	(1)
1895	564,055	(1)	(1)	1911	6,454,267	18,374,177	(1)
1896	565,219	(1)	(1)	1912	7,400,591	19,358,506	(1)
1897	642,581	(1)	(1)	1913	8,609,897	23,327,877	(1)
1898	1,067,015	(1)	(1)	1914	4,507,075	11,517,228	(1)
1899	1,423,157	(1)	(1)	1915	7,010,460	20,695,954	1,829
1900	1,546,709	(1)	(1)	1916	8,947,846	27,388,523	(1)
1901	1,101,531	(1)	(1)	1917	7,529,081	34,158,693	(1)
1902	2,549,496	(1)	(1)	1918	7,586,686	35,492,356	(1)
1903	2,368,482	(1)	(1)	1919	6,817,729	31,379,017	(1)
1904	2,393,238	(1)	(1)	1920	8,519,316	57,402,771	(1)
1905	2,265,486	(1)	(1)	1921	4,941,882	23,459,617	(1)
1906	4,325,691	(1)	(1)				

[1] No statistics available.

[Navigation season: Opened Apr. 5; closed Dec. 7, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Nonmetallic minerals: Lake sand	29,738	29,738	$21,114	$21,114
EXPORTS.				
Nonmetallic minerals: Bituminous coal—cargo	680,845	680,845	3,268,056	3,268,056
Total imports and exports		710,583		3,289,170

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
						Miles.	*Mills.*
Animals and animal products: Fresh fish		345	345	$41,400	$41,400	25	
Nonmetallic minerals: Stone flux	273,791		273,791	284,743	284,743	375	1.33
Ores, metals and manufactures of: Iron ore	2,002,756		2,002,756	10,214,055	10,214,055	804	1.04
Total	2,276,547	345	2,276,892		10,540,198		
SHIPMENTS, INTERNAL.							
Nonmetallic minerals			1,952,459		9,479,539		
Bituminous coal—cargo	1,848,077			8,870,770		745	.94
Bituminous coal—bunker	100,693			604,158			
Stone flux	3,689			4,611		30	1.66
Ores, metals and manufactures of: Steel pipe		1,948	1,948	160,710	160,710	815	3.07
Total	1,952,459	1,948	1,954,407		9,640,249		
Total receipts and shipments	4,229,006	2,293	4,231,299		20,180,447		

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LORAIN HARBOR, OHIO—continued.

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Nonmetallic minerals	29,738	$21,114	680,845	$3,268,056
Total	29,738	21,114	680,845	3,268,056

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	345	$41,400	.....	.....	345	$41,400
Nonmetallic minerals	273,791	284,743	1,952,459	$9,479,539	2,936,833	13,053,432
Ores, metals and manufactures of	2,002,756	10,214,055	1,948	160,710	2,004,704	10,374,765
Total	2,276,892	10,540,198	1,954,407	9,640,249	4,941,882	23,469,617

Vessel classification, 1921.

Class.	Entrances and clearances.			Net registered tonnage.	Passengers.
	American.	Foreign.	Total.		
Registered:					
Steam	1,249	148	1,397	4,628,858	.....
Sail and barge	16	.....	16	11,178	.....
Motor	312	.....	312	1,872	.....
Total	1,577	148	1,725	4,641,908	.....

No record of unregistered vessels.

Decrease of net registered tonnage, 1921 under 1920, 3,095,610.
Value of imports, by lake, free, $21,114.
Value of exports, lake, $3,268,056.
Greatest draft of vessels arrived or departed in 1921, 20.5 feet.
No new lines of transportation established.
No lines of transportation abandoned.

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CLEVELAND HARBOR, OHIO.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1891	4,512,765	(1)	(1)	1907	12,872,448	(1)	(1)
1892	7,060,791	(1)	(1)	1908	10,159,170	$82,491,700	(1)
1893	4,189,922	(1)	(1)	1909	12,392,425	86,427,520	(1)
1894	4,043,804	(1)	(1)	1910	13,386,608	69,850,104	(1)
1895	5,282,599	(1)	(1)	1911	10,949,760	59,873,364	(1)
1896	5,522,111	(1)	(1)	1912	14,296,078	75,250,255	(1)
1897	6,118,731	(1)	(1)	1913	16,488,083	82,761,622	(1)
1898	6,500,518	(1)	(1)	1914	10,912,572	50,979,680	437,544
1899	7,390,921	(1)	(1)	1915	12,631,442	114,949,361	419,291
1900	7,569,423	(1)	(1)	1916	16,577,240	127,966,870	534,196
1901	7,484,810	(1)	(1)	1917	14,282,687	128,239,054	454,333
1902	10,151,006	(1)	(1)	1918	15,895,450	166,971,258	406,183
1903	10,050,433	(1)	(1)	1919	12,335,283	179,236,538	624,715
1904	9,350,417	(1)	(1)	1920	12,463,028	198,105,114	656,231
1905	11,419,797	(1)	(1)	1921	6,200,352	90,733,355	464,461
1906	12,247,626	(1)	(1)				

[1] No statistics available.

The large decrease in freight tonnage and value under 1920 was due to the general business depression and lower commodity prices in 1921.

[Navigation season: Opened Mar. 28; closed Dec. 31, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products: Wheat	3,000	3,000	$112,000	$112,000
Wood and paper		23,480		657,448
Lumber	22,354		625,920	
Lath	1,126		31,528	
Nonmetallic minerals: Sand and gravel	159,540	159,540	119,655	119,655
Total		186,020		889,103
EXPORTS.				
Vegetable food products: Wheat	1,050	1,050	39,200	39,200
Textiles: Binding twine	572	572	171,600	171,600
Nonmetallic minerals		1,282,460		6,158,941
Coal, bituminous	1,282,371		6,155,381	
Fire brick	89		3,560	
Unclassified	2	2	500	500
Total		1,284,084		6,370,241
Total imports and exports		1,470,104		7,259,344

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CLEVELAND HARBOR, OHIO—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	*Mills*
Animals and animal products			1,472		$226,280		
Live stock		10		$2,000			
Dressed meats		27		10,800			
Canned meats		144		57,600			
Poultry and game		2		1,200			
Fresh fish		1,289		154,680			
Vegetable food products			55,449		2,378,145		
Fruits and vegetables		532		106,400			
Wheat	26,453			987,585		835	1.0
Oats	12,352			285,640		762	1.1
Corn	10,500			198,750		709	1.2
Flour		32		2,560			
Sugar		3,193		319,300			
Canned vegetables		10		2,500			
Other agricultural products		2,377		475,400			
Textiles: Wool		633	633	74,694	74,694		
Wood and paper			4,877		139,295		
Lumber	4,835			135,389		716	11.0
Print paper		42		3,906			
Nonmetallic minerals			341,539		902,276		
Flux stone	313,119			547,958		390	2.5
Paving stone	5,300			10,600		376	2.6
Cement		13,400		184,250		328	
Sand	4,700			3,525			
Sulphur	3,200			48,000		176	
Brick		22		110			
Lime and plaster		5		50			
Petroleum		1,671		77,283			
Miscellaneous mining products	122			30,500			
Ores, metals and manufactures of			2,870,088		14,922,611		
Iron ore	2,866,519			14,619,246		785	1.07
Manufactured iron and steel		3,569		303,365			
Machinery and vehicles			23,040		13,796,200		
Automobiles		22,901		13,740,600			
Machinery		139		55,600			
Unclassified		39,536	39,536	8,895,600	8,895,600		
Total	3,247,100	89,534	3,336,634		41,335,101		
SHIPMENTS, INTERNAL.							
Animals and animal products			593		245,800		
Live stock		57		11,400			
Dressed meats		457		182,800			
Poultry and game		58		34,800			
Poultry products		21		16,800			
Vegetable food products, oil seeds			572		97,240		
Fruits and vegetables		157		31,400			
Grain feeds		5		150			
Flour		18		1,440			
Sugar and molasses		225		22,500			
Canned vegetables		167		41,750			
Wood and paper: Print paper		23	23	2,139	2,139		
Nonmetallic minerals			1,257,463		6,273,001		
Asphaltum		80		3,200			
Petroleum		2,321		107,346			
Coal, cargo	1,140,332			5,473,593		737	0.91
Coal, bunker	114,692			688,152			
Lime and plaster		5		50			
Sewer and drainpipe		33		660			
Ores, metals and manufactures of			44,540		3,675,530		
Manufactured iron and steel		44,484		3,669,930			
Rails		56		5,600			
Machinery and vehicles			26,393		15,755,400		
Automobiles		25,991		15,594,600			
Machinery		402		160,800			

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CLEVELAND HARBOR, OHIO—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTERNAL—con.						*Miles.*	*Mills.*
Chemicals		532	532	$212,800	$212,800		
Unclassified		63,508	63,508	15,877,000	15,877,000		
Total	1,255,024	138,600	1,393,624		42,138,910		
Total receipts and shipments	4,502,124	228,134	4,730,258		83,474,011		

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Vegetable food products	3,000	$112,000	1,050	$39,200
Textiles			572	171,600
Wood and paper	23,480	657,448		
Nonmetallic minerals	159,540	119,655	1,282,460	6,158,941
Unclassified			2	500
Total	186,020	889,103	1,284,084	6,370,241

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	1,472	$226,280	593	$245,800	2,065	$472,080
Vegetable food products	55,449	2,378,145	572	97,240	60,071	2,626,585
Textiles	633	74,694			1,205	246,294
Wood and paper	4,877	139,295	23	2,139	28,380	798,882
Nonmetallic minerals	341,539	902,276	1,257,463	6,273,001	3,041,002	13,453,873
Ores, metals and manufactures of	2,870,088	14,922,611	44,540	3,675,530	2,914,628	18,598,141
Machinery and vehicles	23,040	13,796,200	26,393	15,755,400	49,433	29,551,600
Chemicals			532	212,800	532	212,800
Unclassified	39,536	8,895,600	63,508	15,877,000	103,046	24,773,100
Total	3,336,634	41,335,101	1,393,624	42,138,910	6,200,362	90,733,355

Vessel classification, 1921.

Class.	Entrances and clearances.			Net registered tonnage.	Passengers.
	American.	Foreign.	Total.		
Registered:					
Steam	13,203	240	13,443	8,973,420	464,461
Sail and barge	617	19	636	403,417	
Total	13,820	259	14,079	9,376,837	464,461

No record of unregistered vessels.

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Decrease of net registered tonnage, 1921 under 1920		4,679,701
Amount of revenue collected, calendar year 1921		[1] $35,000
Value of imports:		
By lake, free	$777,103	
By lake, dutiable	112,000	
		$889,103
Value of exports, lake		$6,370,241
Enrolled tonnage, port of Cleveland, Ohio ... gross tons		1,118,060
Greatest draft of vessels arrived or departed in 1921 ... feet		21

FAIRPORT HARBOR, OHIO.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1891	930,255	(1)	1907	3,323,495	(1)
1892	1,103,197	(1)	1908	2,302,375	$15,814,200
1893	1,215,613	(1)	1909	2,703,283	15,359,009
1894	1,793,214	(1)	1910	2,370,166	15,449,255
1895	1,413,101	(1)	1911	1,455,099	12,689,063
1896	1,897,070	(1)	1912	2,754,456	17,662,727
1897	1,751,224	(1)	1913	3,156,842	21,277,106
1898	1,517,068	(1)	1914	2,454,304	12,816,270
1899	1,720,283	(1)	1915	3,309,485	26,118,618
1900	1,688,147	(1)	1916	3,828,711	20,759,504
1901	1,639,764	(1)	1917	3,461,813	20,075,567
1902	2,330,480	(1)	1918	2,992,171	18,354,090
1903	2,480,738	(1)	1919	2,588,354	14,926,079
1904	1,781,796	(1)	1920	1,963,501	12,878,298
1905	2,680,173	(1)	1921	1,945,310	14,612,698
1906	2,575,018	(1)			

[1] No statistics available.

No passenger statistics.

Freight traffic, 1921.

[Navigation season opened Apr. 22, closed Nov. 30, 1921.]

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.							
Animals and animal products:						*Miles.*	*Mills.*
Fresh fish		689	689	$82,680	$82,680		
Vegetable food products			80,460		2,322,402		
Corn	37,358			707,152		778	1.2
Wheat	6,450			240,800		853	1.02
Rye	36,652			1,374,450		853	1.09
Nonmetallic minerals: Limestone flux	345,794		345,794	605,139	605,139	435	2.35
Ores, metals and manufactures of: Iron ore	1,500,819		1,500,819	7,654,177	7,654,177	835	1.0
Unclassified	17,548		17,548	3,948,300	3,948,300		
Total	1,944,621	689	1,945,310		14,612,698		

[1] 100,000 bushels of wheat, duty 35 cents per bushel.

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FAIRPORT HARBOR, OHIO—continued.

SUMMARY.

Classes of commodities.	Domestic receipts.		Total.	
	Tons.	Value.	Tons.	Value.
Animals and animal products	689	$82,680	689	$82,680
Vegetable food products	80,460	2,322,402	80,460	2,322,402
Nonmetallic minerals	345,794	605,139	345,794	605,139
Ores, metals and manufactures of	1,500,819	7,654,177	1,500,819	7,654,177
Unclassified	17,548	3,948,300	17,548	3,948,300
Total	1,945,310	14,612,698	1,945,310	14,612,698

Vessel classification, 1921.

Class.	Entrances and clearances.		Net registered tonnage.
	American.	Total.	
Registered:			
Steam	1,309	1,309	1,942,224
Sail and barge	2	2	3,724
Total	1,311	1,311	1,945,948

No record of unregistered vessels.

Increase of net registered tonnage, 1921 over 1920, 90,365.
Greatest draft of vessels arrived or departed in 1921, 21 feet.
No new lines of transportation established.
No lines of transportation abandoned.

ASHTABULA HARBOR, OHIO.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1891	2,039,229	(1)	1907	11,834,580	(1)
1892	4,231,000	(1)	1908	5,935,097	$18,855,100
1893	2,659,960	(1)	1909	13,154,061	46,204,353
1894	2,970,158	(1)	1910	16,257,723	54,519,144
1895	3,735,982	(1)	1911	13,062,023	37,805,404
1896	3,667,443	(1)	1912	14,515,139	38,435,387
1897	4,316,671	(1)	1913	15,743,375	45,952,628
1898	4,056,058	(1)	1914	11,833,302	29,529,689
1899	4,652,232	(1)	1915	14,521,729	45,119,231
1900	5,755,402	(1)	1916	18,264,135	63,917,789
1901	6,003,636	(1)	1917	15,992,388	87,876,962
1902	7,063,167	(1)	1918	16,993,677	90,129,120
1903	6,330,344	(1)	1919	[2] 13,236,516	63,813,707
1904	5,664,049	(1)	1920	[2] 18,313,708	103,135,960
1905	9,250,091	(1)	1921	[2] 5,794,137	28,827,889
1906	10,314,129	(1)			

[1] No statistics available.
[2] Exclusive of car ferry traffic.

No passenger statistics.

Decrease in freight tonnage and value under 1920, was due to the general business depression in 1921, with resultant reduced receipts of iron ore and shipments of coal and lower commodity prices.

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ASHTABULA HARBOR, OHIO—continued.

[Navigation season: Opened Mar. 26; closed Dec. 31, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Nonmetallic minerals: Coal, bituminous	728,379	728,379	$3,496,219	$3,496,219
Total		728,379		3,496,219

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	*Mills.*
Animals and animal products: Fresh fish		1,685	1,685	$202,200	$202,200		
Ores, metals, and manufactures of: Iron ore	2,242,022		2,242,022	11,434,312	11,434,312	870	0.96
Total	2,242,022	1,685	2,243,707		11,636,512		
SHIPMENTS, INTERNAL.							
Nonmetallic minerals			2,822,051		13,695,158		
Coal, cargo	2,697,623			12,948,590		807	.87
Coal, bunker	124,428			746,568			
Total	2,822,051		2,822,051		13,695,158		
Total receipts and shipments	5,064,073	1,685	5,065,758		25,331,670		

SUMMARY.

Classes of commodities.	Foreign, exports.		Domestic.				Total.	
	Tons.	Value.	Receipts.		Shipments.		Tons.	Value.
			Tons.	Value.	Tons.	Value.		
Animals and animal products			1,685	$202,200			1,685	$202,200
Nonmetallic minerals	728,379	$3,496,219			2,822,051	$13,695,158	3,550,430	17,191,377
Ores, metals, and manufactures of			2,242,022	11,434,312			2,242,022	11,434,312
Total	728,379	3,496,219	2,243,707	11,636,512	2,822,051	13,695,158	5,794,137	28,829,889

	Short tons.	Value.
Car ferry	602,530	$68,339,005

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ASHTABULA HARBOR, OHIO—continued.

Vessel classification, 1921.

Class.	Entrances and clearances.			Net registered tonnage.
	American.	Foreign.	Total.	
Registered:				
Steam	5,027	771	5,798	7,703,050
Sail and barge	.....	19	19	17,202
Motor	1,984	.....	1,984	12,724
Total	7,011	790	7,801	7,732,976

No record of unregistered vessels.

Decrease of net registered tonnage, 1921 under 1920 9,443,120
Value of imports:
By lake ..... free .. (1)
By lake ..... dutiable .. (1)

Total ..... [2] $846,505
Value of exports, lake ..... [3] $11,038,719
Greatest draft of vessels arrived or departed in 1921 ..... feet .. 21
No new lines of transportation established.
No lines of transportation abandoned.

CONNEAUT HARBOR, OHIO.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1891	(1)	(1)	1908	6,467,334	$24,672,300
1892	1,265	(1)	1909	9,747,808	37,666,054
1893	247,795	(1)	1910	8,447,901	32,957,236
1894	343,996	(1)	1911	8,879,277	33,290,265
1895	405,518	(1)	1912	10,028,965	30,709,781
1896	443,031	(1)	1913	10,783,204	36,109,259
1897	589,368	(1)	1914	8,625,166	25,064,766
1898	1,761,686	(1)	1915	11,799,980	40,404,994
1899	2,611,711	(1)	1916	13,129,367	44,294,527
1900	3,332,607	(1)	1917	12,936,398	62,501,557
1901	3,955,078	(1)	1918	10,835,424	54,344,152
1902	5,286,611	(1)	1919	10,047,535	52,597,030
1903	5,296,991	(1)	1920	9,166,996	58,148,807
1904	4,548,538	(1)	1920	[2] 518,897	10,443,654
1905	6,556,282	(1)	1921	7,463,728	37,641,294
1906	7,063,069	(1)	1921	[2] 343,176	3,058,959
1907	8,351,407	(1)			

[1] No statistics available.
[2] Car ferry.

No passenger statistics.

Decrease in freight tonnage and value under 1920 was due to the general business depression in 1921, with resultant reduced receipts of iron ore and shipments of coal and lower commodity prices.

[1] Separate figures not obtainable. [2] All car ferry. [3] Includes $7,542,500, car ferry.

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CONNEAUT HARBOR, OHIO—continued.

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	Commodities.	Classes.	Commodities.	Classes.
EXPORTS.				
Nonmetallic minerals: Coal, bituminous	59,988	59,988	$287,942	$287,942

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities. (bulk).	By classes.	By commodities.	By classes.		
RECEIPTS.						
Ores, metals and manufactures of: Iron ore	5,968,923	5,968,923	$30,441,507	$30,441,507	*Miles.* 981	*Mills.* 0.95
SHIPMENTS.						
Nonmetallic minerals		1,434,817		6,911,845		
Coal, cargo	1,414,214		6,788,227		696	1.0
Coal, bunker	20,603		123,618			
Total		1,434,817		6,911,845		
Total receipts and shipments		7,403,740		37,353,352		

SUMMARY.

Classes of commodities.	Foreign.		Domestic.				Total.	
	Exports.		Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals	59,988	$287,942			1,434,817	$6,911,845	1,494,805	$7,199,787
Ores, metals and manufactures of			5,968,923	$30,441,507			5,968,923	30,441,507
Total	59,988	287,942	5,968,923	30,441,507	1,434,817	6,911,845	7,463,728	37,641,294

	Short tons.	Value.
Car ferry	343,176	$3,058,959

Vessel classification.

Class.	Entrances and clearances.			Net registered tonnage.	Passengers
	American.	Foreign.	Total.		
Registered: Steam	1,921	28	1,949	7,140,134	None.

No record of unregistered vessels.

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Decrease of net registered tonnage, 1921 under 1920		1,687,092
Value of imports:		
By lake, free	(1)	
By lake, dutiable	(1)	
Total		[2] $39,263
Value of exports, lake		[3] $3,307,638
Greatest draft of vessels arrived or departed in 1921	feet	21

No new lines of transportation established.
No lines of transportation abandoned.

PUT-IN-BAY, OHIO.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.
1921	10,735	$1,884,975	309,884

No statistics available prior to 1921. All short-haul domestic traffic.

[Navigation season, opened Mar. 15, closed Dec. 24, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.
	By commodities (package).	By classes.	By commodities.	By classes.	
RECEIPTS, INTERNAL.					*Miles.*
Unclassified	2,575	2,575	$579,375	$579,375	25
SHIPMENTS, INTERNAL.					
Vegetable food products: Grapes and peaches	8,160	8,160	1,305,600	1,305,600	70
Total receipts and shipments	10,735	10,735	.....	1,884,975	.....

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products	.....	.....	8,160	$1,305,600	8,160	$1,305,600
Unclassified	2,575	$579,375	.....	.....	2,575	579,375
Total	2,575	579,375	8,160	1,305,600	10,735	1,884,975

[1] Separate figures not obtainable. [2] All car ferry. [3] Includes $3,019,696 car ferry.

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PUT-IN-BAY, OHIO—continued.

Vessel classification, 1921.

Class.	Entrances and clearances.		Net registered tonnage.	Passengers
	American.	Total.		
Registered:				
Steam	1,200	1,200	597,890	308,576
Motor	70	70	1,050	1,308
Total	1,270	1,270	598,940	309,884

No statistics available prior to 1921. All short-haul domestic traffic.

KELLEYS ISLAND, OHIO.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.
1921	20,711	$789,325	17,186

No statistics for this port available prior to 1921.

[Navigation season: Opened Mar. 15; closed Dec. 24, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS, INTERNAL.						*Miles.*
Unclassified	.....	1,035	1,035	$232,875	$232,875	.....
SHIPMENTS, INTERNAL.						
Vegetable food products: Grapes and grape juice	.....	2,676	2,676	535,200	535,200	35
Nonmetallic minerals: Flux stone	17,000	.....	17,000	21,250	21,250	60
Total	17,000	2,676	19,676	.....	556,450	.....
Total receipts and shipments	17,000	3,711	20,711	.....	789,325	.....

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products	.....	.....	2,676	$535,200	2,676	$535,200
Nonmetallic minerals	.....	.....	17,000	21,250	17,000	21,250
Unclassified	1,035	$232,875	.....	.....	1,035	232,875
Total	1,035	232,875	19,676	556,450	20,711	789,325

No record of unregistered vessels.

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KELLEYS ISLAND, OHIO—continued.

Vessel classification, 1921.

Class.	Entrances and clearances.		Net registered tonnage.	Passengers.
	American.	Total.		
Registered:				
Steam	704	704	112,560	16,586
Motor	70	70	1,050	600
Total	774	774	113,610	17,186

No record of unregistered vessels.

1921 was the first year statistics were collected for this port. All short-haul domestic traffic. No further information available.

MARBLEHEAD, OHIO.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.
1921	16,415	$340,875	3,853

No statistics available prior to 1921. All short-haul, domestic traffic.

[Navigation season: Opened Mar. 15; closed Dec. 24, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
RECEIPTS, INTERNAL.						*Miles.*
Unclassified	.....	1,015	1,015	$228,375	$228,375	12
SHIPMENTS, INTERNAL.						
Nonmetallic minerals: Crushed stone	15,000	.....	15,000	22,500	22,500	65
Unclassified	.....	400	400	90,000	90,000	12
Total	15,000	400	15,400	.....	112,500	.....
Total receipts and shipments	15,000	1,415	16,415	.....	340,875	.....

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals	.....	.....	15,000	$22,500	15,000	$22,500
Unclassified	1,015	$228,375	400	90,000	1,415	318,375
Total	1,015	228,375	15,400	112,500	16,415	340,875

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MARBLEHEAD, OHIO—continued.

Vessel classification, 1921.

Class.	Entrances and clearances.		Net registered tonnage.	Passengers.
	American.	Total.		
Registered: Steam	412	412	77,984	3,853

No record of unregistered vessels.

No statistics available prior to 1921. All short-haul, domestic traffic.

ERIE HARBOR, PA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890	1,734,056	(1)	(1)	1906	4,287,230	(1)	(1)
1891	1,674,209	(1)	(1)	1907	5,155,067	(1)	(1)
1892	2,073,055	(1)	(1)	1908	2,725,088	(1)	(1)
1893	1,694,010	(1)	(1)	1909	3,144,796	(1)	(1)
1894	1,992,654	(1)	(1)	1910	2,868,485	$60,310,806	6,252
1895	2,225,957	(1)	(1)	1911	2,264,322	75,808,610	10,000
1896	2,473,719	(1)	(1)	1912	3,135,725	82,507,650	5,000
1897	3,295,951	(1)	(1)	1913	3,340,071	78,576,009	5,000
1898	3,061,296	(1)	(1)	1914	3,014,344	67,508,612	5,000
1899	3,486,471	(1)	(1)	1915	3,296,655	67,875,943	.....
1900	3,357,356	(1)	(1)	1916	4,595,119	48,055,605	.....
1901	2,916,273	(1)	(1)	1917	4,252,810	50,779,101	323
1902	3,225,963	(1)	(1)	1918	4,380,516	56,696,518	.....
1903	2,662,959	(1)	(1)	1919	3,197,794	42,063,206	11,181
1904	2,510,467	(1)	(1)	1920	4,252,100	55,041,418	12,051
1905	3,760,228	(1)	(1)	1921	2,325,067	27,479,218	12,375

[1] No statistics available.

[Navigation season: Opened Apr. 1, 1921; closed Jan. 5. 1922.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
IMPORTS.						
Animals and animal products:					*Miles.*	*Mills.*
Fish	506	506	$50,634	$50,634	.....	.....
Vegetable food products:						
Wheat	68,613	68,613	2,561,541	2,561,541	797	1.0916
Wood and paper: Pulp wood	53,222	53,222	478,998	478,998	743	1.9650
Total	.....	122,341	.....	3,091,173	.....	.....
EXPORTS.						
Nonmetallic minerals	.....	680,467	.....	3,396,724	.....	.....
Coal, hard	21,747	.....	234,868	.....	758	.6860
Coal, soft	658,720	.....	3,161,856	.....	661	.7867
Total	.....	680,467	.....	3,396,724	.....	.....
Total imports and exports	.....	802,808	.....	6,487,897	.....	.....

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ERIE HARBOR, PA.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	*Mills.*
Vegetable food products			112,484		$6,205,462		
Corn	6,943			$131,415		825	1.1273
Wheat	6,781			253,165		918	1.9477
Flour		60,243		4,819,440		918	3.9216
Feed		38,517		1,001,442		918	3.7472
Wood and paper			73,846		711,166		
Pulp wood	72,834			655,506		873	1.2944
Shingles		1,012		55,660		918	4.5752
Ores, metals, and manufactures of			434,092		2,682,932		
Iron ore	432,215			2,204,297		848	.9906
Copper		1,877		478,635		745	6.7114
All others		214	214	48,150	48,150	918	5.4466
Total	518,773	101,863	620,636		9,647,710		
SHIPMENTS, INTERNAL.							
Vegetable food products: Sugar		3,392	3,392	407,040	407,040	918	5.9368
Nonmetallic minerals			749,691		5,937,124		
Coal, hard	389,768			4,209,494		859	.6054
Coal, soft	359,923			1,727,630		844	.6161
All others		19,034	19,034	4,282,650	4,282,650	918	5.4466
Total	749,691	22,426	772,117		10,626,814		
Total receipts and shipments	1,268,464	124,289	1,392,753		20,274,524		
RECEIPTS, LOCAL.							
Animals and animal products: Fish		6,254	6,254	625,403	625,403		
Nonmetallic minerals			123,252		91,394		
Sand	119,569			86,090			
Gravel	3,683			5,304			
Total	123,252	6,254	129,506		716,797		

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Animals and animal products	506	$50,634		
Vegetable food products, oil seeds	68,613	2,561,541		
Wood and paper	53,222	478,998		
Nonmetallic minerals			680,467	$3,396,724
Total	122,341	3,091,173	680,467	3,396,724

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ERIE HARBOR, PA.—continued.

SUMMARY—Continued.

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	6,254	$625,403	.....	.....	6,760	$676,037
Vegetable food products	112,484	6,205,462	3,392	$407,040	184,489	9,174,043
Wood and paper	73,846	711,166	.....	.....	127,068	1,190,164
Nonmetallic minerals	123,252	91,394	749,691	5,937,124	1,553,410	9,425,242
Ores, metals, and manufactures of	434,092	2,682,932	.....	.....	434,092	2,682,932
All others	214	48,150	19,034	4,282,650	19,248	4,330,800
Total	750,142	10,364,507	772,117	10,626,814	2,325,067	27,479,218

Vessel classification, 1921.

Class.	Entrances and clearances.			Net registered tonnage.	Passengers.
	American.	Foreign.	Total.		
Registered:					
Steam	294	662	956	1,530,767	.....
Sail and barge	18	14	32	64,159	.....
Motor	12	11	23	237	.....
Total	324	687	1,011	1,595,163	12,375

No record of unregistered vessels.

Decrease of net registered tonnage, 1921 under 1920	1,706,498
Amount of revenue collected, calendar year 1921, lake commerce	$1.40
Value of imports:	
By lake, free	2,797,756
By lake, dutiable	17
Total	[1] 2,797,773
Value of exports, lake	[2] 3,396,724
Greatest draft of vessels arrived or departed in 1921 ..... feet	20.9

No new lines of transportation established.

No lines of transportation abandoned.

REMARKS.—The greatest draft of vessel at this port was the steamer *E. Y. Townsend*, which arrived on July 31, 1921, with iron ore.

Entrances and clearances.

Class.	No cargo.		Cargo.		Total.
	American.	Foreign.	American.	Foreign.	
Steam	172	312	122	350	956
Sail and barge	10	4	8	10	32
Motor	12	11	0	0	23
Total	194	327	130	360	1,011

[1] The value of imports by lake is that of the records of the subcollector of customs office, Erie, Pa.
[2] The value of exports by lake is that compiled by the United States engineer office, Buffalo, N. Y.

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DUNKIRK HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passenger.	Year.	Tons.	Value.	Passengers.
1894	10,942	(1)	(1)	1908	1,050	(1)	(1)
1895	9,918	(1)	(1)	1909	None.		
1896	9,968	(1)	(1)	1910	337	$225	(1)
1897	25,498	(1)	(1)	1911	3,417	43,411	700
1898	4,000	(1)	(1)	1912	86	980	6,995
1899	7,979	(1)	(1)	1913	None.		
1900	4,547	(1)	(1)	1914	None.		
1901	2,719	(1)	(1)	1915	1,414	7,950	(1)
1902	3,742	(1)	16,000	1916	988	148,168	(1)
1903	1,351	(1)	13,000	1917	150	24,000	(1)
1904	3,324	(1)	(1)	1918	1,300	208,000	(1)
1905	1,965	(1)	(1)	1919	1,503	240,525	1,000
1906	1,130	(1)	(1)	1920	3,238	141,436	900
1907	645	(1)	(1)	1921	1,673	153,916	None.

[1] No statistics available.

Traffic for the years 1894–1906, inclusive, and 1911–12 was largely lumber and occasionally laths, shingles, and posts. The larger traffic for 1897 was for lumber and stone used in the construction of the United States breakwater and west pier. Traffic for 1907–8 and 1910 was stone, machinery, sand, and gravel. Traffic for 1915 was for lumber and stone used in the construction of the Dunkirk municipal dock. Traffic for 1916–1921, inclusive, was fish caught in Lake Erie off Dunkirk. In previous years this item was not reported.

[Navigation season: Opened Mar. 17; closed Dec. 23, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	Commodities.	Classes.		
RECEIPTS, LOCAL.						
Animals and animal products:						
Fish	1,673	1,673	153,916	153,916	(1)	(2)

[1] Fish caught in Lake Erie, off Dunkirk.
[2] No rate; carried by owner.

Vessel classification, 1921.

Classes.	Entrances and clearances.			Net registered tonnage.
	American.	Foreign.	Total.	
Registered:				
Steamers	34	10	44	938
Sail and barges	0	0	0	0
Motor	32		32	213
Total	66	10	76	1,151

No record of unregistered vessels.

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Decrease of net registered tonnage, 1921 under 1920 2,998
Amount of revenue collected, calendar year 1921: Lake commerce ..... None.
Value of imports:
By lake, free ..... None.
By lake, dutiable ..... None.
Value of exports, lake ..... None.
Enrolled tonnage, port of Dunkirk, N. Y. ..... None.
Greatest draft of vessels arrived or departed in 1921 ..... feet.. 8
No new lines of transportation established.
No lines of transportation abandoned.

The entrances and clearances are those of light fishing boats arriving from and departing for collection districts other than Buffalo, N. Y.

Fishing boats operating in Lake Erie, opposite Dunkirk, require no coasting manifests.

The draft of the steam fishing boats is from 6 to 8 feet; that of the motor boats 2 to 4 feet.

BUFFALO HARBOR, N. Y.

Comparative statement of traffic.

Year.	Lake.			New York State barge canal.	
	Tons.	Value.	Passengers.	Tons.	Value.
1890	7,331,772	(1)	(1)	(1)	(1)
1891	9,096,111	(1)	(1)	(1)	(1)
1892	9,586,112	(1)	(1)	(1)	(1)
1893	9,380,363	(1)	(1)	(1)	(1)
1894	8,335,872	(1)	(1)	(1)	(1)
1895	8,570,323	(1)	(1)	1,778,511	(1)
1896	9,634,155	(1)	(1)	1,570,743	(1)
1897	10,748,204	(1)	(1)	1,207,964	(1)
1898	11,489,245	(1)	(1)	1,115,407	(1)
1899	10,576,657	(1)	(1)	1,033,170	(1)
1900	10,216,409	(1)	(1)	888,318	(1)
1901	10,219,709	(1)	(1)	1,653,334	(1)
1902	9,726,402	(1)	(1)	833,619	(1)
1903	11,798,272	(1)	(1)	1,324,216	(1)
1904	10,733,980	(1)	(1)	988,725	(1)
1905	12,224,286	(1)	(1)	985,861	(1)
1906	15,568,338	(1)	(1)	1,769,719	(1)
1907	16,487,240	(1)	(1)	1,942,455	(1)
1908	12,178,874	(1)	(1)	1,621,527	(1)
1909	14,145,013	(1)	(1)	1,568,615	(1)
1910	14,755,717	$396,279,438	1,756,056	1,534,706	$35,455,544
1911	12,417,862	314,397,264	1,090,514	1,291,418	26,950,846
1912	16,695,738	386,790,572	(1)	1,128,028	17,547,451
1913	18,920,854	393,963,380	1,401,706	1,272,015	22,048,638
1914	14,072,620	344,048,649	1,330,368	823,682	13,948,425
1915	18,720,724	504,096,377	1,927,035	814,779	16,061,408
1916	18,532,712	482,648,469	1,588,615	704,302	14,387,078
1917	18,925,179	564,134,095	1,389,420	506,818	6,588,734
1918	18,544,063	496,709,974	1,484,977	619,196	14,154,242
1919	14,610,551	462,735,245	1,894,662	583,197	22,735,161
1920	18,094,623	484,148,006	1,738,111	579,719	33,002,560
1921	14,033,351	440,374,572	1,586,761	718,833	26,028,764

[1] No statistics available.

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BUFFALO HARBOR, N. Y.—continued.

[Navigation season: Opened Mar. 26; closed Dec. 28, 1921.]

Freight traffic, 1921.

(By lake.)

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
IMPORTS.						
Animals and animal products:					*Miles.*	*Mills.*
Fish	369	369	$36,851	$36,851	70	
Vegetable food products		2,613,657		97,526,654		
Oats	94,590		2,187,393		866	1.8764
Rye	46,670		1,750,112		866	1.0739
Wheat	2,348,765		87,687,238		864	1.0069
Flour	4,356		348,480		22	163.63
Flaxseed	62,289		4,271,226		832	1.118
Barley	56,987		1,282,205		866	1.247
Wood and paper		29,784		455,867		
Pulp wood	23,540		306,020		865	2.0731
Lumber	6,244		149,847		589	5.518
Nonmetallic minerals		32,430		109,256		
Silica rock	25,680		103,181		580	1.7241
Gravel	6,750		6,075			
Total		2,676,240		98,128,628		
EXPORTS.						
Vegetable food products		275,657		7,981,979		
Corn	125,613		2,377,672		383	2.4282
Rye	15,937		597,640		390	2.385
Wheat	134,107		5,006,667		390	2.2308
Nonmetallic minerals		264,647		2,911,609		
Coal, hard	258,508		2,791,886		854	.6089
Gravel	2,075		1,867		22	
Sulphur	4,064		117,856		59	70.3389
Ores, metals and manufactures of:						
Steel billets	5,379	5,379	443,768	443,768	390	6.410
Total		545,683		11,337,356		
Total imports and exports		3,221,923		109,465,984		

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS.						*Miles.*	*Mills.*
Animals and animal products			10,129		$7,868,234		
Eggs		571		$221,834		988	12.0445
Butter		9,558		7,646,400		988	11.7004
Vegetable food products			4,143,300		144,275,551		
Corn	1,103,125			20,880,581		893	1.0414
Oats	318,599			7,367,609		894	1.8176
Rye	187,101			7,016,309		968	.9607
Wheat	1,702,993			63,578,390		954	.9119
Flour		371,792		29,743,360		987	3.6474
Barley	124,762			2,807,144		973	1.110
Oil cake		200		8,960		988	3.4818
Feed		237,683		6,179,758		988	3.5425
Flaxseed	96,288			6,602,600		968	.9413
Sugar		757		90,840		895	3.9441
Textiles: Wool		2,405	2,405	1,563,250	1,563,250	988	12.2672
Wood and paper			33,982		1,285,657		
Lumber	18,741			449,777		890	3.6517
Lath		162		6,460		988	4.2510
Shingles		15,069		828,795		988	4.2510
Barrels		10		625		988	5.0607

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BUFFALO HARBOR, N. Y.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS—continued.						*Miles.*	*Mills.*
Nonmetallic minerals			1,543,039		$2,269,204		
Coal, soft	168,108			$806,918		213	2.4413
Oil		2,079		96,154		988	1.2652
Limestone	689,779			751,366		509	1.7879
Sand and gravel	683,073			614,766			
Ores, metals and manufactures of			1,122,169		10,043,238		
Iron ore	1,103,452			5,627,605		880	.9445
Pig iron		1,350		40,500		895	2.7932
Copper		17,035		4,343,925		772	6.4767
Zinc		332	31,832	31,208	50,931,200	988	5.0607
Machinery and vehicles: Automobiles		31,832		50,931,200		250	48.0000
Miscellaneous merchandise		46,592	46,592	10,483,200	10,483,200	286	17.4825
Total	6,196,021	737,427	6,933,448		228,719,534		
SHIPMENTS.							
Vegetable food products			14,742		1,625,040		
Flaxseed	2,800			192,000		254	3.6614
Sugar		11,942		1,433,040		895	3.9441
Nonmetallic minerals			3,712,175		40,115,513		
Coal, hard	3,697,749			39,935,690		915	.9399
Sulphur	3,201			92,829		176	23.5795
Salt	11,225			86,994		971	1.2873
Ores, metals and manufactures of			15,220		1,260,181		
Iron	8,200			676,500		261	9.5786
Steel	5,295			436,838		261	9.5786
Steel rods	1,035			85,388		176	14.2045
Steel rails	15			705		988	2.5304
Lead, pig	675			60,750		988	5.0607
Machinery and vehicles			21,268		34,290,945		
Automobiles		20,953		33,524,800		185	64.5161
Auto bodies		315		766,145		261	45.9770
Chemicals: Nitrate soda	5,040		5,040	252,000	252,000	938	1.3336
Miscellaneous merchandise		109,535	109,535	24,645,375		896	5.5804
Total	3,735,235	142,745	3,877,980		102,189,054		
Total receipts and shipments	9,931,256	880,172	10,811,428		330,908,588		

NEW YORK STATE BARGE CANAL.

[Season of navigation: Opened Apr. 30, closed Dec. 25, 1921.]

The following statistics of the Erie Canal commerce of Buffalo, N. Y., for the calendar year 1921 have been compiled from information furnished by the superintendent of public works, State of New York:

Canal clearances		1,286
Vessels navigating the Erie and all canals:		
Tugs	136	
Canal barges	743	
		879

The published rates on wheat, Buffalo to New York, via canal, have been:

	Cents per bushel
For export:	
Effective—	
April 23, 1921	9.7
June 13, 1921	8.5
August 9, 1921	7.9

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BUFFALO HARBOR, N. Y.—continued.

For domestic shipments:
Effective—
April 23, 1921 ..... 9.7
June 13, 1921 ..... 8.5

Continuing throughout the balance of the season.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS.					
Animals and animal products: Boots, shoes, etc		126	126	$317,520	$317,520
Vegetable food products			13,732		944,897
Wheat	1,800			67,193	
Fruits, vegetables, and all other		247		14,820	
Flaxseed	10,485			718,884	
Sugar		1,200		144,000	
Wood and paper			9,279		405,536
Lumber	6,889			165,336	
Furniture		3		1,500	
Paper and paper products		2,387		238,700	
Nonmetallic minerals			196,034		274,040
Coal, hard	210			2,268	
Petroleum and other oils		75		2,765	
Sand, stone, and gravel	182,300			164,070	
Cement and lime		3,480		51,468	
Clay	5,800			49,300	
All other	4,169			4,169	
Ores, metals, and manufactures of			7,853		570,473
Iron ore	1,000			5,100	
Iron or steel articles		201		16,583	
Other metals		6,652		548,790	
Machinery and vehicles			4,048		404,748
Machinery and tools		3		248	
Vehicles and parts		4,045		404,500	
All others		33,286	33,286	7,489,350	7,489,350
Total	212,653	51,705	264,358		10,406,564
SHIPMENTS.					
Vegetable food products			382,741		12,433,498
Corn	49,072			928,863	
Oats	35,094			811,549	
Rye	2,101			78,788	
Wheat	223,676			8,350,571	
Flour		1,207		96,560	
Barley	46,737			1,051,583	
Barley, malt	528			25,779	
Oil meal and cake	24,326			1,089,805	
Wood and paper			18,658		675,494
Pulp wood	2,116			27,508	
Lumber	6,889			165,336	
Wood pulp		9,653		482,650	
Nonmetallic minerals			13,870		365,875
Petroleum and other oils		9,815		362,223	
Sand, stone, and gravel	4,030			3,627	
All other		25		25	
Ores, metals, and manufactures of			33,973		1,554,533
Iron, pig and bloom	23,776			713,280	
Iron or steel articles		10,197		841,253	
Machinery and vehicles: Vehicles and parts		4,167	4,167	416,700	416,700
Chemicals: Fertilizer		300	300	3,750	3,750
All other		766	766	172,350	172,350
Total	418,345	36,130	454,475		15,622,200
Total receipts and shipments	630,998	87,835	718,833		26,028,764

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BUFFALO HARBOR, N. Y.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic (by lake).			
	Imports.		Exports.		Receipts.		Shipments.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	369	$36,851			10,129	$7,868,234		
Vegetable food products	2,613,657	97,526,654	275,657	$7,981.979	4,143,300	144,275,551	14,742	$1,625,040
Textiles					2,405	1,563,250		
Wood and paper	29,784	455,867			33,982	1,285,657		
Nonmetallic minerals	32,430	109,256	264,647	2,911,609	1,543,039	2,269,204	3,712,175	40,115,513
Ores, metals and manufactures of			5,379	443,768	1,122,169	10,043,238	15,220	1,260,181
Machinery and vehicles					31,832	50,931,200	21,268	34,290,945
Chemicals							5,040	252,000
All others					46,592	10,483,200	109,535	24,645,375
Total	2,676,240	98,128,628	545,683	11,337,356	6,933,448	228,719,534	3,877,980	102,189,054

Classes of commodities.	Domestic (by canal).				Total.	
	Receipts		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	126	$317,520			10,624	$8,222,605
Vegetable food products	13,732	944,897	382,741	$12,433,498	7,443,829	264,787,619
Textiles					2,405	1,563,250
Wood and paper	9,279	405,536	18,658	675,494	91,703	2,822,554
Nonmetallic minerals	196,034	274,040	13,870	365,875	5,762,195	46,045,497
Ores, metals and manufactures of	7,853	570,473	33,973	1,554,533	1,184,594	13,872,193
Machinery and vehicles	4,048	404,748	4,167	416,700	61,315	86,043,593
Chemicals			300	3,750	5,340	255,750
All others	33,286	7,489,350	766	172,350	190,179	42,790,275
Total	264,358	10,406,564	454,475	15,622,200	14,752,184	466,403,336

Vessel classification, 1921.

Class.	Entrances and clearances.			Net registered tonnage.	Passengers.
	American.	Foreign.	Total.		
Registered:					
Steam	3,397	954	4,351	13,111,440	
Sail and barge	28	50	78	49,650	
Motor	1	106	107	1,983	
Total	3,426	1,110	4,536	13,163,073	1,586,761

No record of unregistered vessels.

Decrease of net registered tonnage, 1921 under 1920	2,761,644
Value of imports	$98,128,628
Value of exports, lake	$11,337,356
Enrolled tonnage, port of Buffalo, N. Y. ..... gross tons	224,214
Greatest draft of vessels arrived or departed in 1922 ..... feet	21.5

New lines of transportation established: Shippers Navigation Co., Rochester Steamship Co., and Consolidated Coastwise Co.

No lines of transportation abandoned.

Coal, grain, and iron ore are largely carried by bulk freighters operated generally by corporations. A cargo of 12,325 gross tons, iron ore, was received by the Lackawanna Steel Co., carried by steamer *Henry G. Dalton*, draft 21 feet 6 inches. A cargo

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BUFFALO HARBOR, N. Y.—continued.

of 11,329 net tons hard coal was shipped by the Lehigh Valley Coal Sales Co., carried by steamer *Theodore H. Wickwire, Jr.*, draft 20 feet 3 inches. The Great Lakes Transit Corporation operates 24 package freight steamers; the Detroit & Cleveland Navigation Co. operates 2 passenger and freight steamers, and the Cleveland and Buffalo Transit Co. operates 3 passenger and freight steamers.

Entrances and clearances.

Class.	No cargo.		Cargo.		Total.
	American.	Foreign.	American.	Foreign.	
Steam	1,005	388	2,392	566	4,351
Sail and barge	15	28	13	22	78
Motor	1	54	0	52	107
Total	1,021	470	2,405	640	4,536

Net registered tonnage.

Class.	No cargo.		Cargo.		Total.
	American.	Foreign.	American.	Foreign.	
Steam	3,445,833	480,018	7,562,585	1,623,004	13,111,440
Sail and barge	10,362	12,205	15,295	11,788	49,650
Motor	9	239	0	1,735	1,983
Total	3,456,204	492,462	7,577,880	1,636,527	13,163,073

BLACK ROCK CHANNEL AND TONAWANDA HARBOR, N. Y.

Comparative statement of traffic.

Year.	Lake and Niagara River.			New York Barge Canal.	
	Tons.	Value.	Passengers.	Tons.	Value.
1890	2,001,209	(1)	(2)	775,729	(1)
1891	901,997	(1)	(2)	649,684	(1)
1892	996,370	(1)	(2)	584,212	(1)
1893	860,142	(1)	(2)	550,864	(1)
1894	838,267	(1)	(2)	436,260	(1)
1895	894,408	(1)	(2)	403,358	(1)
1896	1,015,396	(1)	(2)	384,899	(1)
1897	1,212,495	(1)	(2)	502,527	(1)
1898	1,122,877	(1)	(2)	453,998	(1)
1899	1,151,602	(1)	(2)	415,051	(1)
1900	962,026	(1)	(2)	399,437	(1)
1901	1,080,304	(1)	(2)	818,566	(1)
1902	975,253	(1)	(2)	646,734	(1)
1903	1,107,898	(1)	(2)	373,492	(1)
1904	906,820	(1)	(2)	293,538	(1)
1905	1,157,564	(1)	(2)	841,937	(1)
1906	1,064,030	(1)	(2)	277,952	(1)
1907	905,469	(1)	(2)	256,301	(1)
1908	734,255	(1)	(2)	209,490	(1)
1909	990,898	(1)	(2)	239,085	(1)
1910	907,044	$7,492,868	574,504	249,818	(1)
1911	1,104,392	10,607,292	772,918	371,579	(1)
1913	1,210,390	12,558,436	663,491	452,638	$4,525,750
1913	1,179,510	11,122,238	534,075	267,883	4,140,153
1914	675,050	6,510,823	698,184	186,334	2,991,244
1915	967,487	6,874,928	(2)	132,695	2,422,889
1916	980,610	7,987,508	365,441	149,307	2,674,778
1917	813,547	8,952,058	160,049	143,149	3,575,286
1918	2,659,227	21,685,862	12,318	81,291	2,415,117
1919	1,778,694	29,156,906	92,535	337,358	881,901
1920	1,583,154	9,741,001	77,300	290,774	1,927,967
1921	1,050,519	5,196,253	43,527	[3] 166,230	[3] 186,642

[1] No statistics available.
[2] No passengers carried.
[3] Exclusive of cargoes in transit via New York Barge Canal, viz.: 502,583 tons, value $20,192,013.

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BLACK ROCK CHANNEL AND TONAWANDA HARBOR, N. Y.—continued.

[Season of navigation: Opened May 8, 1921; closed Dec. 4, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	Commodities.	Classes.	Commodities.	Classes.		
IMPORTS.					*Miles.*	*Mills.*
Wood and paper: Lumber	72,215	72,215	$1,733,155	$1,733,155	595	5.4622
EXPORTS.						
Nonmetallic minerals: Coal, soft	125	125	600	600	590	.8814
Total imports and exports	72,340	72,340	.....	1,733,755	.....	.....

DOMESTIC.
(Lake traffic.)

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS.						*Miles.*	*Mills.*
Wood and paper	.....	.....	51,956	.....	$1,245,953	.....	.....
Posts	620	.....	.....	$14,174	.....	532	6.1090
Slabs	134	.....	.....	712	.....	532	6.1090
Lumber	51,063	.....	.....	1,225,518	.....	841	3.8544
Lath	.....	139	.....	5,549	.....	532	7.8947
Nonmetallic minerals	.....	.....	174,460	.....	499,511	.....	.....
Coal, soft	83,400	.....	.....	400,320	.....	254	2.0473
Limestone	91,060	.....	.....	99,191	.....	524	1.0305
Ores, metals and manufactures of: Iron ore	215,594	.....	215,594	1,099,529	1,099,529	701	1.1983
Machinery and vehicles: Machinery	.....	22	22	1,815	1,815	938	2.0552
Total	441,871	161	442,032	.....	2,846,808	.....	.....
SHIPMENTS.							
Vegetable food products: Oats	3	.....	3	74	74	532	3.0545
Total receipts and shipments, lake traffic	441,874	161	442,035	.....	2,846,882	.....	.....
RECEIPTS, LOCAL TRAFFIC.							
Wood and paper	.....	.....	2,001	.....	74,588	.....	.....
Lumber	18	.....	.....	424	.....	.....	.....
Paper pulp	.....	1,983	.....	74,164	.....	.....	.....
Nonmetallic minerals: Sand	523	.....	523	471	471	.....	.....
Total	541	1,983	2,524	.....	75,059	.....	.....
SHIPMENTS, LOCAL TRAFFIC.							
Vegetable food products	.....	.....	504	.....	9,540	.....	.....
Corn	504	.....	.....	9,540	.....	.....	.....
Wood and paper	.....	.....	2,070	.....	49,692	.....	.....
Lumber	2,070	.....	.....	49,692	.....	.....	.....
Nonmetallic minerals	.....	.....	530,998	.....	477,976	.....	.....
Coal soft	20	.....	.....	96	.....	.....	.....
Sand and gravel	530,978	.....	.....	477,880	.....	.....	.....
Ores, metals and manufactures of: Boiler	.....	15	15	1,238	1,238	.....	.....
Machinery and vehicles: Machinery	.....	25	25	2,063	2,063	.....	.....
Unclassified: Ice	.....	8	8	48	48	.....	.....
Total	533,572	48	533,620	.....	$540,557	.....	.....
Total receipts and shipments, local traffic	534,113	2,031	536,144	.....	615,616	.....	.....

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BLACK ROCK CHANNEL AND TONAWANDA HARBOR, N. Y.—continued.

[Season of navigation: Opened May 8, 1921; closed Dec. 4, 1921.]

Vessel classification, 1921.

(Port of Tonawanda and North Tonawanda, N. Y.)

Class.	Entrance and clearance.			Net registered tonnage.	Passengers.
	American.	Foreign.	Total.		
Registered:					
Steam	64	64	128	55,468	.....
Sail and barge	47	44	91	48,954	.....
Total	111	108	219	104,422	43,527

No record of unregistered vessels.

Decrease of net registered tonnage, 1921 under 1920 37,148
Value of imports: By lake, free $1,925,138
Value of exports, lake 2,796
Greatest draft of vessels arrived or departed in 1921 ..... feet.. 10.6

No new lines of transportation established.

No lines of transportation abandoned.

The values of imports and exports by lake and river are those of the records of the sub-collector of customs office, North Tonawanda, N. Y.

NEW YORK STATE BARGE CANAL.

[Season of navigation: Opened Apr. 30; closed Dec. 25, 1921.]

The following statistics of the Erie Canal commerce of Tonawanda, N. Y., for the calendar year 1921, have been compiled from information furnished by the superintendent of public works, State of New York:

No canal clearances were issued.

DOMESTIC, 1921.

Classes and commodities.	Amount in short tons.			Value.	
	By commodities.		By classes.	By commodities.	By classes.
	Bulk.	Package.			
SHIPMENTS.					
Wood and paper: Lumber	1,250	.....	1,250	$30,000	$30,000
Nonmetallic minerals: Sand and gravel	164,880	.....	164,880	148,392	148,392
Machinery and vehicles: Machinery	.....	100	100	8,250	8,250
Total	166,130	100	166,230	.....	186,642

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BLACK ROCK CHANNEL AND TONAWANDA HARBOR, N. Y.—continued.

Cargoes in transit, New York Barge Canal traffic.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
DOWN BOUND.					
Vegetable food products			360,604		$11,912,009
Corn	46,957			$888,821	
Oats	35,413			818,916	
Rye	3,044			114,135	
Wheat	220,398			8,228,184	
Flour		1,003		80,200	
Barley	28,161			633,619	
Oil cake		25,628		1,148,134	
Wood and paper			9,880		337,012
Paper		980		4,900	
Paper pulp		8,880		332,112	
Nonmetallic minerals			12,717		398,779
Oil, kerosene		10,137		374,170	
Sand	450			405	
Cement		500		7,396	
Clay	125			1,063	
Plaster	350			3,500	
Sulphur		155		4,495	
Salt		1,006		7,750	
Ores, metals and manufactures of			28,512		1,393,275
Pig iron	18,266			547,980	
Iron, manufactured		10,246		845,295	
Machinery and vehicles: Automobiles		88	88	140,800	140,800
Unclassified: Merchandise		1,871	1,871	420,975	420,975
Total	353,164	60,488	413,652		14,602,850
UPBOUND.					
Vegetable food products			16,296		1,051,532
Rye	112			4,200	
Wheat	3,275			122,264	
Barley	722			16,254	
Beans	75			7,500	
Flaxseed	10,454			716,863	
Sugar		1,500		180,000	
Molasses		158		4,451	
Wood and paper: Paper		20	20	2,000	2,000
Nonmetallic minerals			43,839		585,977
Oil		30		1,388	
Asphalt		1,200		43,200	
Stone	16,030			12,023	
Molding sand	596			2,593	
Cement		4,850		71,728	
Clay	6,025			51,213	
Sulphur		13,658		396,082	
Salt		1,000		7,750	
Ores, metals and manufactures of			6,551		829,103
Iron ore	303			1,545	
Pig iron	250			7,500	
Steel, manufactured		150		12,375	
Boilers		35		2,888	
Sash weights		200		16,500	
Antimony	180			18,000	
Copper		1,705		434,775	
Pig lead		3,728		335,520	
Chemicals			10,280		331,676
Chlorine liquid		20		2,936	
Soda		4,978		248,900	
Ammonia		144		11,520	
Phosphate		5,120		64,000	
Soap		18		4,320	
Unclassified: Merchandise		12,395	12,395	2,788,875	2,788,875
Total	38,022	50,909	88,931		5,589,163
Total up and down bound	391,186	111,397	502,583		20,192,013

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BLACK ROCK CHANNEL AND TONAWANDA HARBOR, N. Y.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic.			
	Imports.		Exports.		By Lake and Niagara River.			
					Receipts.		Shipments.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products							3	$74
Wood and paper	72,215	$1,733,155			51,956	$1,245,953		
Nonmetallic minerals			125	$600	174,460	499,511		
Ores, metals and manufactures of					215,594	1,099,529		
Machinery and vehicles					22	1,815		
Total	72,215	1,733,155	125	600	442,032	2,846,808	3	74

Classes of commodities.	Domestic.				Total.	
	By Lake and Niagara River.		By barge canal.			
	Other domestic.		Receipts and shipments.		Lake and canal.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products	504	$9,540			507	$9,614
Wood and paper	4,071	124,280	1,250	$30,000	129,492	3,133,388
Nonmetallic minerals	531,521	478,447	164,880	148,392	870,986	1,126,950
Ores, metals and manufactures of	15	1,238			215,609	1,100,767
Machinery and vehicles	25	2,063	100	8,250	147	12,128
All other	8	48			8	48
Total	536,144	615,616	166,230	186,642	1,216,749	5,382,895

NIAGARA RIVER, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1910	93,474	$396,873	1916	50,000	$300,000
1911	71,984	437,875	1917	33,734	210,838
1912	130,815	391,368	1918	94,756	155,600
1913	201,554	783,150	1919	139,500	93,000
1914	82,694	330,776	1920	122,423	116,936
1915	70,938	354,690	1921	152,144	139,847

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NIAGARA RIVER, N. Y.—continued.

[Navigation season, opened May 15, closed Nov. 1, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS.					
Nonmetallic minerals: Sand and gravel	152,124	.....	152,124	$136,911	$136,911
SHIPMENTS.					
Chemicals: Chlorine (liquid)	.....	20	20	2,936	2,936
Total receipts and shipments	152,124	20	152,144	.....	139,847

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Receipts.		Shipments.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Nonmetallic minerals	152,124	$136,911	.....	.....	152,124	$136,911
Chemicals	.....	.....	20	$2,936	20	2,936
Total	152,124	136,911	20	2,936	152,144	139,847

Vessel classification, 1921.

There were no entrances or clearances of vessels. Suction dredges transporting sand and gravel excavated from the bed of Niagara River are not required to report.

Greatest drafts of vessels arrived or departed in 1921, 12 feet.

Prior to 1918 the principal commerce of the port was the receipt of pulp wood for the paper mills at Niagara Falls, partly from American and partly from Canadian ports. Scows, canal boats, and suction dredges transport the local commerce.

The passenger business prior to 1918, consisting of excursions from Buffalo, and entirely suspended during the regular summer seasons of 1918–1920, was partly resumed during 1921.

BLACK ROCK CANAL AND LOCK AND FERRY STREET BRIDGE, BUFFALO, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1914	823,320	$3,295,000	(1)	1918	1,647,593	$20,928,429	5,932
1915	1,715,333	6,414,379	16,161	1919	1,506,779	28,449,101	8,645
1916	1,908,769	8,125,132	11,536	1920	1,888,087	40,789,896	14,020
1917	1,632,846	8,579,217	7,309	1921	1,553,102	25,388,266	14,836

[1] No statistics available.

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BLACK ROCK CANAL AND LOCK AND FERRY STREET BRIDGE, BUFFALO, N. Y.—continued.

[Season of navigation, Apr. 11 to Dec. 31, 1921.]

Vessel passages, 1921.

Classes.	Bound down.		Bound up.		Total.	
	Number.	Net tonnage.	Number.	Net tonnage.	Number.	Net tonnage.
Registered:						
Steamers	849	325,707	1,450	356,076	2,299	681,783
Tow barges	274	101,394	518	189,272	792	290,666
Total	1,123	427,101	1,968	545,348	3,091	972,449
Barge canal steamers and barges	1,479	200,567	1,361	175,477	2,840	376,044
Unregistered, motor boats, etc	926	.....	1,510	.....	2,436	.....
Grand total	3,528	627,668	4,839	720,825	8,367	1,348,493

Passengers:	
Down bound	7,581
Upbound	7,245
Total	14,826
Lockages:	
Down bound	1,561
Upbound	2,311
Total	3,872
Bridge lifts, total	2,314
Passages:	
Down bound	2,048
Upbound	2,660
	4,708

Freight traffic, 1921.

That passing through the Black Rock Lock, both bound down and bound up, is the same as given under the head of "By Lake Erie and Niagara River" in commercial statistics for Black Rock Channel and Tonawanda Harbor, N. Y.

Number of vessels passing International Bridge, Niagara River, 1921:	
Steamers	1,908
Barges	519
Total	2,427
Season of navigation: April 1 to December 31, 1921 ..... days	275
Number of times bridge was opened during season	1,930
Average number of times bridge was opened per day	7

TONAWANDA AND NORTH TONAWANDA, N. Y.

The freight traffic is largely imports and receipts of lumber, and is included in the commercial statistics of Black Rock Channel and Tonawanda Harbor, N. Y., and is shown below in order to give the freight traffic for the two harbors separately.

Comparative statement of traffic.

Year.	By lake and river.	
	Tons.	Value.
1921	123,589	$2,949,473

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TONAWANDA AND NORTH TONAWANDA, N. Y.—continued.

[Navigation season: Opened May 8; closed Dec. 4, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
IMPORTS.					*Miles.*	*Mills.*
Wood and paper: Lumber	77,123	77,123	$1,850,948	$1,850,948	603	5.3897

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS.						*Miles.*	*Mills.*
Wood and paper			45,066		$1,084,320		
Poles	496			$15,900		559	5.8139
Posts	135			3,080		559	5.8139
Slabs	59			312		559	5.8139
Lumber	44,376			1,065,028		897	3.6973
Total	45,066		45,066		1,084,320		
SHIPMENTS.							
Nonmetallic minerals			1,400		14,205		
Coal (hard)	1,100			11,880		568	.9155
Salt	300			2,325		842	1.4845
Total	1,400		1,400		14,205		
Total receipts and shipments	46,466		46,466		1,098,525		

SUMMARY.

Classes and commodities.	Foreign imports.		Domestic.				Total.	
			Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper	77,123	$1,850,948	45,066	$1,084,320			122,189	$2,935,268
Nonmetallic minerals					1,400	14,205	1,400	14,205
Total	77,123	1,850,948	45,066	1,084,320	1,400	14,205	123,589	2,949,473

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CHARLOTTE, N. Y.

Comparative statement of traffic.

Year.	By lake and internal.			Car ferry.[1]	
	Tons.	Vlaue.	Passengers.	Tons.	Value
1894	380,382	(2)	40,489		
1895	369,417	(2)	58,235		
1896	444,557	(2)	50,892		
1897	385,891	(2)	48,402		
1898	483,850	(2)	47,064		
1899	447,428	(2)	53,489		
1900	309,605	(2)	73,548		
1901	549,207	(2)	(2)		
1902	557,690	(2)	(2)		
1903	569,169	(2)	(2)		
1904	554,212	(2)	(2)		
1905	597,996	(2)	(2)		
1906	432,709	(2)	(2)		
1907	701,916	(2)	(2)		
1908	709,950	(2)	(2)		
1909	873,337	$2,047,973	(2)		
1910	973,233	2,363,228	(2)		
1911	940,472	2,454,600	(2)		
1912	1,130,861	2,914,554	(2)		
1913	1,431,914	4,231,218	(2)		
1914	950,279	2,895,415	31,383		
1915	1,073,992	3,065,832	31,416		
1916	1,101,135	3,441,149	232,512	140,604	$2,847,879
1917	1,481,208	5,620,654	(2)	157,093	4,658,022
1918	842,655	3,453,382	22,506	839,120	7,224,912
1919	210,504	968,984	29,480	624,957	5,001,307
1920	[3] 526,991	[3] 3,035,651	47,127	949,157	13,492,040
1921	[4] 77,030	[4] 472,997	37,183	498,899	4,780,950

[1] No statistics are available for separation of passengers by car ferry.
[2] No statistics available.
[3] Includes 142,331 tons, value $974,987, internal traffic.
[4] Includes 75,526 tons, value $463,534, internal traffic.

[Season of navigation: Opened Jan. 1; closed Dec. 31.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Nonmetallic minerals: Bituminous coal	1,504	1,504	$9,463	$9,463

CAR-FERRY TRAFFIC

IMPORTS.				
Animals and animal products		37		$58,629
Hides	27		$13,761	
Leather and manufactures of	10		44,868	
Vegetable food products		803		58,787
Peas	31		7,048	
Cider	[1] 300		4,564	
Vinegar	6		540	
Fruits, preserved	[1] 466		46,635	
Wood and paper		150,325		1,111,978
Lumber	11,451		324,848	
Lath	518		17,916	
Barrels, empty	[1] 1,092		30,337	
Pulp wood	136,846		690,885	
Wood pulp	32		354	
Rags	4		1,034	
Newsprint paper	365		44,914	
Paper bags	17		1,690	

[1] Estimated.

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CHARLOTTE, N. Y.—continued.

CAR-FERRY TRAFFIC—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Chemicals: Talc, ground	1,165	1,165	$17,489	$17,489
Unclassified		145		168,295
Household effects	[1] 45		22,539	
Miscellaneous	[1] 100		145,756	
Total		152,475		1,415,178
EXPORTS.				
Animals and animal products: Leather	[1] 7	7	2,618	2,168
Vegetable food products		2,737		51,770
Fruit pulp (cannery waste)	294		14,804	
Molasses	[1] 2,443		36,966	
Wood and paper		764		33,380
Lumber	93		3,525	
Barrels, empty	[1] 4		4,928	
Furniture	[1] 22		10,996	
Paper and manufacrures of	645		13,931	
Nonmetallic minerals		341,139		2,302,039
Anthracite coal	43,164		441,439	
Bituminous coal	294,317		1,797,809	
Coke	891		9,988	
Lubricating oils	177		22,552	
Glass containers	[1] 43		4,303	
Other glassware	[1] 60		6,040	
Brick, fire	[1] 452		7,244	
Salt	2,035		12,664	
Ores, metals and manufactures of		707		102,435
Steel plates	103		10,367	
Steel sheets, black	58		4,259	
Bars and rods of steel	10		2,221	
Switches, frogs, etc	[1] 176		28,221	
Bolts, nuts, rivets	[1] 3		218	
Wrought iron pipe and fittings	63		6,263	
Malleable iron castings and forgings	171		12,812	
Hardware	29		2,118	
Steel, manufactures of	44		21,150	
Tinplate	48		13,916	
Zinc sheets	2		890	
Machinery and vehicles		45		42,186
Machinery, pump	[1] 10		7,489	
Telephones	[1] 25		25,548	
Electrical apparatus	[1] 10		9,149	
Chemicals		214		10,794
Chloride of lime	118		6,450	
Soda ash	8		704	
Washing powder and fluid	88		3,640	
Unclassified		811		821,000
Moving picture films	[1] 10		58,527	
Photographic supplies	[1] 690		690,095	
Dental goods	[1] 13		13,045	
Household effects	[1] 50		10,440	
Miscellaneous	[1] 48		48,893	
Total		346,424		3,365,772
Total imports and exports		498,899		4,780,950

[1] Estimated.

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CHARLOTTE, N. Y.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton.
	By commodities.	By classes.	By commodities.	By classes.		
SHIPMENTS, INTERNAL.					*Miles.*	*Mills.*
Nonmetallic minerals: Bituminous coal	75,526	75,526	$463,534	$463,534	147	10

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals	1,504	$9,463	75,526	$463,534	77,030	$472,997

Car ferry:
Short tons 498,899
Value $4,780,950

Vessel classification, 1921.

Class.	Entrances and clearances.			Net registered tonnage.	Passengers.
	American.	Foreign.	Total.		
Registered: Steam	105	1,515	1,620	4,362,676	37,183

No record of unregistered vessels.

Decrease of net registered tonnage, 1921 under 1920 171,415

Amount of revenue collected, calendar year, 1921: Lake commerce $19,811.48

Value of imports:
By lake, free 1,306,776
By lake, dutiable 108,402

Total 1,415,178
Value of exports, lake 3,828,769

Enrolled tonnage (gross tons), port of Rochester, N. Y., 1,214.

Greatest draft of vessels arrived or departed in 1921, 19 feet.

No new lines of transportation established.

No lines of transportation abandoned.

About 86 per cent of the tonnage and 91 per cent of the tonnage value in and out of Charlotte Harbor is carried by Canadian car ferry between Charlotte, N. Y., and Cobourg, Cntario. The maximum draft of these vessels is 19 feet, but ordinary draft is 16 to 18 feet.

Most of the balance of traffic is the shipment of bituminous coal to St. Lawrence River points, which is largely carried in Canadian vessels. These vessels draw from 14 to 17 feet.

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GREAT SODUS BAY, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1894	77,471	(1)	1908	73,989	(1)
1895	43,566	(1)	1909	34,577	$106,202
1896	36,361	(1)	1910	37,555	104,205
1897	53,548	(1)	1911	55,693	169,834
1898	79,709	(1)	1912	56,874	159,464
1899	78,885	(1)	1913	65,137	175,808
1900	84,379	(1)	1914	47,673	140,464
1901	57,735	(1)	1915	51,958	151,618
1902	26,726	(1)	1916	190,889	665,441
1903	18,875	(1)	1917	103,247	460,894
1904	30,797	(1)	1918	35,932	164,967
1905	46,251	(1)	1919	165,772	622,356
1906	58,905	(1)	1920	19,636	123,971
1907	71,157	(1)	1921	160,612	822,973

[1] No statistics available.

[Navigation season: Opened Apr. 1, closed Dec. 1.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Nonmetallic minerals		65,690		$348,583
Anthracite coal	4,612		$48,939	
Bituminous coal	61,078		299,644	
Total		65,690		348,583

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
SHIPMENTS, INTERNAL.						
Nonmetallic minerals: Bituminous coal	94,922	94,922	$474,390	$474,390	*Miles.* 120	*Mills.* 11.2

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals	65,690	$348,583	94,922	$474,390	160,612	$822,973

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GREAT SODUS BAY, N. Y.—continued.

Vessel classification, 1921.

Class.	Entrances and clearances			Net registered tonnage.
	American.	Foreign.	Total.	
Registered:				
Steam	113	202	315	165,979
Sail and barge	9	22	31	12,669
Total	122	224	346	178,648

No record of unregistered vessels.

Increase of net registered tonnage, 1921 over 1920, 158,399.
Amount of revenue collected, calendar year 1921, lake commerce, $84.32.
Value of exports, lake, $348,583.
Greatest draft of vessels arrived or departed in 1921, 15 feet.
No new lines of transportation established.
No lines of transportation abandoned.
Forty-one per cent of the shipments were foreign, and about 80 per cent of the traffic was carried in foreign bottoms. The maximum draft of these vessels was 15 feet.

LITTLE SODUS BAY, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1894	63,595	(1)	1908	153,474	(1)
1895	63,706	(1)	1909	104,567	$473,133
1896	65,418	(1)	1910	112,607	507,608
1897	68,888	(1)	1911	133,715	582,152
1898	50,339	(1)	1912	185,187	889,633
1899	81,969	(1)	1913	116,819	555,728
1900	59,511	(1)	1914	133,968	643,775
1901	135,119	(1)	1915	130,708	632,670
1902	52,543	(1)	1916	129,570	677,064
1903	120,692	(1)	1917	158,316	878,656
1904	137,258	(1)	1918	112,769	671,238
1905	105,298	(1)	1919	92,719	718,811
1906	103,991	(1)	1920	132,625	1,149,923
1907	99,939	(1)	1921	81,534	798,160

[1] No statistics available.

[Navigation season: Opened Apr. 1; closed Dec. 1.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Nonmetallic minerals: Anthracite coal	68,975	68,975	$674,391	$674,391

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LITTLE SODUS BAY, N. Y.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes	By commodities.	By classes.		
SHIPMENTS, INTERNAL.						
Nonmetallic minerals: Anthracite coal	12,559	12,559	$123,769	$123,769	*Miles.* 120	*Mills.* 11

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic shipments.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Nonmetallic minerals	68,975	$674,391	12,559	$123,769	81,534	$798,160

Vessel classification, 1921.

Class.	Entrances and clearances.			Net registered tonnage.
	American.	Foreign.	Total.	
Registered:				
Steam	89	159	248	76,478
Sail and barge	15	25	40	19,923
Total	104	184	288	96,401

No record of unregistered vessels.

Decrease of net registered tonnage, 1921 under 1920, 20,280.
Amount of revenue collected, calendar year 1921, lake commerce, $55.80.
Value of exports, lake, $674,391.
Greatest draft of vessels arrived or departed in 1921, 14.3 feet.
No new lines of transportation established.
No lines of transportation abandoned.

About 84 per cent of the tonnage and 85 per cent of the tonnage value were foreign shipments, and about 84 per cent of the traffic was carried in foreign bottoms. The maximum draft of these vessels is 14.3 feet.

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OSWEGO HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1895	749,575	(1)	4,956	1909	669,387	$3,351,702	(1)
1896	783,972	(1)	5,173	1910	751,363	3,699,146	(3)
1897	706,805	(1)	8,918	1911	869,965	4,074,845	.....
1898	615,503	(1)	13,302	1912	745,422	3,813,862	.....
1899	716,753	(1)	10,139	1913	825,981	4,135,003	.....
1900	579,160	(1)	8,712	1914	785,299	4,148,610	.....
1901	565,052	(1)	[2] 10,000	1915	753,942	4,251,055	.....
1902	334,009	(1)	[2] 10,000	1916	550,266	2,962,414	.....
1903	733,734	(1)	[2] 10,000	1917	577,696	3,349,333	.....
1904	712,481	(1)	[2] 10,000	1918	516,111	3,577,377	.....
1905	724,502	(1)	(1)	1919	463,749	3,719,041	.....
1906	615,840	(1)	(1)	1920	[4] 458,761	4,498,946	.....
1907	728,090	(1)	(1)	1921	[5] 377,139	4,504,904	.....
1908	724,187	(1)	(1)				

[1] No statistics available.
[2] Estimated.
[3] Passenger service discontinued.
[4] Includes 5,027 tons via New York Barge Canal, value $121,578.
[5] Includes 18,946 tons via New York Barge Canal, value $916,148.

[Navigation season: Opened Apr. 5; closed Dec. 5.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products: Poultry	1	1	$87	$87
Vegetable food products: Wheat	36	36	70	70
Wood and paper	.....	13,804	.....	147,928
Pulp wood	13,794	.....	147,750	.....
Lumber	10	.....	178	.....
All other	[1] 3	[1] 3	689	689
Total	.....	13,844	.....	148,774
EXPORTS.				
Wood and paper: Manufactures of wood	151	151	198	198
Nonmetallic minerals	.....	312,879	.....	3,110,762
Anthracite coal	309,911	.....	3,063,062	.....
Sulphur	2,968	.....	47,700	.....
Chemicals	.....	5,617	.....	72,463
Phosphate rock	5,505	.....	66,303	.....
Nitrate	112	.....	6,160	.....
Total	.....	318,647	.....	3,183,423
Total imports and exports	.....	332,491	.....	3,332,197

[1] Estimated.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
SHIPMENTS, INTERNAL.						
Nonmetallic minerals: Anthracite coal	25,702	25,702	$256,559	$256,559	*Miles.* 410	*Mills.* 6.7

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OSWEGO HARBOR, N. Y.—continued.

NEW YORK STATE BARGE CANAL, N. Y.

[Season of navigation: Opened May 1; closed Dec. 1.]

The following statistics of the Oswego Canal commerce of Oswego, N. Y., for the calendar year, 1921, have been compiled from the information furnished by the superintendent of public works, State of New York:

(Canal clearances.[1])

DOMESTIC, 1921.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS.					
Nonmetallic minerals			12,804		$233,682
Sand and gravel	4,898			$4,408	
Sulphur	7,906			229,274	
All other		2,675	2,675	601,875	601,875
Total	12,804	2,675	15,479		835,557
SHIPMENTS.					
Vegetable food products: Wheat	1,800		1,800	67,200	67,200
Nonmetallic minerals			1,667		13,391
Anthracite coal	1,201			12,971	
Sand and gravel	466			420	
Total	3,467		3,467		80,591
Total receipts and shipments	16,271	2,675	18,946		916,148

[1] No statistics available.

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Animals and animal products	1	$87		
Vegetable food products	36	70		
Wood and paper	13,804	147,928	151	$198
Nonmetallic minerals			312,879	3,110,762
Chemicals			5,617	72,463
All other	3	689		
Total	13,844	148,774	318,647	3,183,423

Classes of commodities.	Domestic.						Total.	
	Shipments by lake.		By barge canal.					
			Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products							1	$87
Vegetable food products					1,800	$67,200	1,836	67,270
Wood and paper							13,955	148,126
Nonmetallic minerals	25,702	$256,559	12,804	$233,682	1,667	13,391	353,052	3,614,394
Chemicals							5,617	72,463
All other			2,675	601,875			2,678	602,564
Total	25,702	256,559	15,479	835,557	3,467	80,591	377,139	4,504,904

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OSWEGO HARBOR, N. Y.—continued.

Vessel classification, 1921.

Class.	Entrances and clearances.			Net registered tonnage.
	American.	Foreign.	Total.	
Registered:				
Steam	269	524	793	249,368
Sail and barge	2	393	395	163,814
Total	271	917	1,188	413,182

No record of unregistered vessels..

Decrease of net registered tonnage, 1921 under 1920	139,065
Amount of revenue collected, calendar year 1921: Lake commerce	$5.90
Value of imports:	
By lake, free	$148,687
By lake, dutiable	87
Total	148,774
Value of exports, lake	3,183,423
Enrolled tonnage, port of Oswego, N. Y. ... gross tons..	107,862
Greatest draft of vessels arrived or departed in 1921 ... feet..	15

No new lines of transportation established.

No lines of transportation abandoned.

About 88 per cent of the tonnage and 74 per cent of the tonnage value of the receipts and shipments were foreign, and about 80 per cent of the traffic in and out of Oswego Harbor is carried in foreign bottoms. The maximum draft of these vessels is 15 feet. The maximum draft of American vessels is 14 feet. A large part of the coal goes to Montreal, and the draft of vessels in this trade is limited to 14 feet by the St. Lawrence River canals.

CAPE VINCENT, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1904	20,308	(1)	(1)	1913	5,715	[6] $453,536	17,499
1905	21,750	(1)	(1)	1914	6,641	[7] 371,747	24,392
1906	112,501	(1)	(1)	1915	4,338	[8] 277,200	27,219
1907	21,946	(1)	(1)	1916	2,062	[9] 362,783	39,920
1908	33,573	(1)	(1)	1917	6,906	[10] 275,859	20,172
1909	42,077	[2] $442,233	11,200	1918	3,222	[11] 216,184	21,502
1910	33,344	[3] 488,243	(1)	1919	3,094	[12] 373,232	23,222
1911	13,178	[4] 370,582	12,906	1920	3,121	[13] 368,885	22,344
1912	6,737	[5] 448,922	18,510	1921	3,058	[14] 244,892	31,782

[1] No statistics available.
[2] Includes 3,605 tons, $249,873 by ferry.
[3] Includes 12,659 tons, $351,734 by ferry.
[4] Includes 4,917 tons, $296,088 by ferry.
[5] Includes 6,737 tons, $448,922 by ferry.
[6] Includes 5,715 tons, $453,536 by ferry.
[7] Includes 6,641 tons, $371,747 by ferry.
[8] Includes 4,338 tons, $277,200 by ferry.
[9] Includes 798 tons, $321,747 by ferry.
[10] Includes 5,826 tons, $238,124 by ferry.
[11] Includes 3,222 tons, $216,184 by ferry
[12] Includes 3,094 tons, $373,232 by ferry.
[13] Includes 3,121 tons, $368,885 by ferry.
[14] Includes 520 tons, $136,314 by ferry.

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CAPE VINCENT, N. Y.—continued.

[Navigation season: Opened Mar. 24; closed Dec. 15.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products		1,198		$92,284
Cattle	893		$23,857	
Sheep	5		503	
Horses	6		955	
Meats, poultry, and eggs:				
Poultry, dressed	7		7,204	
Dairy products—Cheese	3		742	
Fish, fresh	284		59,023	
Vegetable food products: Fodders and feed—Hay	38	38	464	464
Nonmetallic minerals: Mica and manufactures of	2	2	1,844	1,844
Unclassified: Household effects	[1] 8	[1] 8	1,780	1,780
Total		1,246		96,372
EXPORTS.				
Nonmetallic minerals		1,292		12,206
Anthracite coal	555		6,546	
Bituminous coal	737		5,660	
Total		1,292		12,206
Total imports and exports		2,538		108,578

FERRY TRAFFIC.

IMPORTS.				
Animals and animal products		473		$99,026
Horses	2		$590	
Fish, fresh	234		52,626	
Frogs	3		1,743	
Dairy products: Cream	234		44,067	
Nonmetallic minerals: Mica and manufactures of	1	1	1,134	1,134
Unclassified: Miscellaneous	5	5	12,264	12,264
Total		479		112,424
EXPORTS.				
Animals and animal products		7		2,957
Horses	2		750	
Fish, fresh	5		2,207	
Vegetable food products: Nuts	2	2	4,431	4,431
Wood and paper: Books and music	[1] 5	[1] 5	6,090	6,090
Ores, metals, and manufactures of: Silver, manufactures of	[1] 1	[1] 1	625	625
Machinery and vehicles: Automobiles	[1] 3	[1] 3	5,000	5,000
Unclassified		[1] 23		4,787
Household effects	[1] 4		879	
Miscellaneous	[1] 19		3,908	
Total		41		23,890
Total imports and exports by ferry		520		136,314

[1] Estimated.

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CAPE VINCENT, N. Y.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Total.	
	Imports.		Exports.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	1,198	$92,284			1,198	$92,284
Vegetable food products	38	464			38	464
Nonmetallic minerals	2	1,844	1,292	$12,206	1,294	14,050
Unclassified	8	1,780			8	1,780
Total	1,246	96,372	1,292	12,206	2,538	108,578

	Short tons.	Value.
Ferry traffic	520	$136,314

Vessel classification, 1921.

Class.	Entrances and clearances.			Net registered tonnage.	Passengers.
	American.	Foreign.	Total.		
Registered:					
Steam		920	920	344,882	28,428
Sail and barge		470	470	13,568	
Motor	10	398	408		3,354
Total	10	1,788	1,798	358,450	31,782

No record of unregistered vessels.

Increase of net registered tonnage, 1921 over 1920		290,174
Amount of revenue collected, calendar year, 1921, lake commerce		$8,149.22
Value of imports:		
By lake, free	$123,746.00	
By lake, dutiable	85,050.00	
		$208,796.00
Value of exports, lake		$36,096.00
Enrolled tonnage, port of Cape Vincent	gross tons	3,881
Greatest draft of vessel arrived or departed in 1921	feet	15

No new lines of transportation established.

No lines of transportation abandoned.

Practically all of the traffic which enters and clears at Cape Vincent is by the steam-ferry between Cape Vincent and Kingston, Ontario, Canada. A small amount is across-river traffic.

The ferry steamers draw about 9 feet.

The vessels which moor at the breakwater for shelter do not report at the custom-house. The tonnage of such vessels is many times that reported for Cape Vincent.

These vessels are both American and Canadian and draw from 14 to 17 feet.

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CAPE VINCENT, N. Y.—continued.

OGDENSBURG, N. Y.

Comparative statement of traffic.

Year.	By lake and internal.			Car ferry.[1]	
	Tons.	Value.	Passengers.	Tons.	Value.
1890	630,281	(2)	(2)		
1891	699,848	(2)	(2)		
1892	625,846	(2)	(2)		
1893	908,048	(2)	(2)		
1894	736,084	(2)	(2)		
1895	693,825	(2)	(2)		
1896	886,438	(2)	(2)		
1897	866,035	(2)	50,050		
1898	645,201	(2)	159,913		
1899	670,383	(2)	168,464		
1900	646,248	(2)	187,553		
1901	439,148	(2)	[3] 200,000		
1902	837,025	(2)	[3] 200,000		
1903	1,185,875	(2)	[3] 200,000		
1904	898,257	(2)	(2)		
1905	1,034,085	(2)	(2)		
1906	1,056,100	(2)	(2)		
1907	1,238,498	(2)	(2)		
1908	856,714	(2)	(2)		
1909	646,615	(2)	[3] 100,000	403,370	$28,926,753
1910	605,685	$6,756,138	[3] 100,000	398,632	24,060,716
1911	423,032	5,122,237	[3] 100,000	376,655	14,917,791
1912	525,339	12,898,003	[3] 100,000	408,053	16,648,480
1913	653,094	31,871,810	360,722	349,628	37,014,983
1914	591,894	24,939,235	239,670	367,754	32,565,898
1915	633,276	22,518,864	259,544	416,544	24,646,077
1916	487,367	4,762,655	295,236	551,315	83,687,559
1917	361,204	2,672,994	310,102	668,223	83,390,663
1918	310,031	1,671,906	215,302	612,581	81,864,562
1919	321,929	1,900,735	264,125	388,049	158,207,778
1920	[4] 288,112	[4] 2,452,069	250,000	688,991	129,888,586
1921	[5] 330,690	[5] 2,795,410	240,000	597,070	107,683,787

[1] No statistics are available for separation of passengers by ferry.
[2] No statistics available.
[3] Estimated.
[4] Includes 168,292 tons, value $1,254,295, internal traffic.
[5] Includes 219,806 tons, value $2,050,475, internal traffic.

[Navigation season, opened Jan. 1, closed Dec. 31, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products: Wheat, grain	1,305	1,305	$50,435	$50,435
Wood and paper		109,579		694,500
Pulp wood	107,904		674,400	
Mechanical wood pulp	1,675		20,100	
Total		110,884		744,935

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OGDENSBURG, N. Y.—continued.

CAR-FERRY TRAFFIC.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products		6,086		$2,135,741
Cattle	600		$32,804	
Calves	950		71,951	
Lamb, dressed	10		5,112	
Sheep and lambs	156		13,187	
Horses	22		5,303	
Beef, fresh, dressed	225		72,378	
Bacon	35		10,500	
Poultry, dressed	56		45,691	
Eggs, in the shell	1,130		334,110	
Eggs, desicated	75		12,510	
Eggs, dried	80		41,331	
Egg yolks	15		30,823	
Milk	4		177	
Cream	82		27,851	
Condensed milk	866		295,101	
Powdered milk	16		6,293	
Butter	110		79,442	
Cheese	37		10,201	
Fish, fresh	746		127,769	
Hides, cattle	345		136,960	
Furs	450		761,739	
Miscellaneous	76		15,228	
Vegetable food products		47,356		3,265,020
Barley	4,008		114,222	
Malt	398		33,562	
Buckwheat, grain	67		2,768	
Oats	152		4,583	
Wheat—				
Grain	39,690		2,386,792	
Flour	1,780		149,734	
Other grains	140		2,565	
Cottonseed meal	60		3,365	
Potatoes, white	30		1,000	
Apples	256		16,600	
Cocoabeans	50		26,571	
Tea	25		9,111	
Walnut meats	15		9,625	
Gums, Kauri	300		184,118	
Seeds, grass	20		10,427	
Bulbs	250		76,687	
Cigars	115		233,300	
Textiles		9,947		88,230,054
Cotton and linen goods	50		74,616	
Hemp	1,924		408,203	
Hemp braid	50		17,028	
Hat braid of straw	85		136,531	
Mats of straw	30		7,510	
Wool	10		3,487	
Woolen goods	4		12,946	
Raw silk	7,094		82,669,417	
Silk goods	700		4,900,316	
Wood and paper		97,351		3,670,259
Pulpwood	14,366		128,927	
Mechanical wood pulp	27,550		1,261,078	
White pine	33,425		964,689	
Lath and pickets	7,402		265,883	
Shingles	3,677		88,897	
Newsprint paper	10,832		953,282	
Paper, roofing	85		6,983	
Paper, boxes	14		520	
Nonmetallic minerals		4,815		72,378
Feldspar	4,572		39,914	
Chinaware	100		15,561	
Brick	54		1,714	
Plumbago	22		1,750	
Mica	7		10,359	
Mica, ground	60		2,100	

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OGDENSBURG, N. Y.—continued.

CAR-FERRY TRAFFIC—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Ores, metals, and manufactures of		5,273		$636,243
Iron ore	2,702		$9,068	
Iron and steel scrap	270		6,062	
Manufactures of metal	625		248,206	
Magnesite	178		15,224	
Zinc dross	125		5,412	
Nickel matte	1,328		335,663	
Nickel salts	20		2,958	
Aluminum	25		13,650	
Chemicals		3,381		406,910
Calcium carbide	2,510		206,300	
Nitrate of soda	126		32,468	
Sulphate of potash	700		68,812	
Fulminate of mercury	25		96,600	
Oxide of metal	20		2,730	
Miscellaneous		7,958		2,299,569
Bamboo ware	130		58,445	
Paintings, oil			150,000	
Miscellaneous oriental merchandise	3,800		1,499,818	
Miscellaneous merchandise	4,028		591,306	
Total		182,167		100,716,174
EXPORTS.				
Nonmetallic minerals		401,934		2,626,392
Anthracite coal	54,934		583,660	
Bituminous coal	347,000		2,042,732	
Miscellaneous: Miscellaneous merchandise	12,969	12,969	4,341,221	4,341,221
Total imports and exports		597,070		107,683,787

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
RECEIPTS, INTERNAL.					*Miles.*	*Mills.*
Vegetable food products		1,109		$42,475		
Wheat, grain	1,085		$41,975		1,127	3
Corn	24		500		1,121	2
Wood and paper: White pine	4,842	4,842	138,500	138,500	833	6½
Nonmetallic minerals		197,176		1,284,000		
Anthracite coal	22,086		234,000		115	4½
Bituminous coal	175,090		1,050,000		140	3½
Total	203,127	203,127		1,464,975		

There were no shipments.

These originate in the United States all the way from Maine to the State of Washington. This merchandise is usually routed to its destination via the Canadian Pacific Railroad or some branch and reenters the United States by ferry at this port.

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OGDENSBURG, N. Y.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS.					
Animals and animal products: Butter		25	25	$25,000	$25,000
Vegetable food products: Bran and flour		60	60	3,000	3,000
Textiles: Wool		40	40	16,000	16,000
Wood and paper			15,679		385,500
Pulp wood	8,640			100,000	
White pine	578			16,500	
Lath		275		10,000	
Shingles		1,666		40,000	
Manufactures of wood	220			20,000	
Mechanical wood pulp	4,300			200,000	
Machinery and vehicles: Tractors and farm implements		400	400	60,000	60,000
Chemicals: Miscellaneous		200	200	35,000	35,000
Miscellaneous: Miscellaneous merchandise		275	275	60,000	60,000
Total			16,679		585,500

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic receipts.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			25	$25,000	25	$25,000
Vegetable food products	1,305	$50,435	1,169	45,475	2,474	95,910
Textiles			40	16,000	40	16,000
Wood and paper	109,579	694,500	20,521	525,000	130,100	1,219,500
Nonmetallic minerals			197,176	1,284,000	197,176	1,284,000
Machinery and vehicles			400	60,000	400	60,000
Chemicals			200	35,000	200	35,000
All other			275	60,000	275	60,000
Total	110,884	744,935	219,806	2,050,475	330,690	2,795,410

Car ferry, short tons, 597,070; value $107,683,787.

In addition to the above there were carried on the deck of the passenger ferryboat, both ways, automobiles to the number of 8,150, to the value of $8,000,000, and estimated tonnage of 10,000. These automobiles were not freight, but were the property of passengers who accompanied them.

Vessel classification, 1921.

Class.	Entrances and clearances.			Net registered tonnage.	Passengers.
	American.	Foreign.	Total.		
Registered:					
Steam	568	15,523	16,091	6,335,792	240,000
Sail and barge	8	5	13	7,351	
Total	576	15,528	16,104	6,343,143	240,000

No record of unregistered vessels.

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Increase of net registered tonnage, 1921 over 1920		759,831
Amount of revenue collected, calendar year 1921, lake commerce		$45,495.58
Value of imports:		
By lake (free because bonded to other ports)	$12,038,563	
By lake, free	88,993,933	
By lake, dutiable	428,613	
Total		101,461,109
Value of exports, lake		6,967,613
Enrolled tonnage, port of Ogdensburg, N. Y., gross tons		10,929
Greatest draft of vessels arrived or departed in 1921 feet		17

No lines of transportation established.

No lines of transportation abandoned.

Sixty-four per cent of the tonnage and 97 per cent of tonnage value in and out of Ogdensburg Harbor, N. Y., is carried by Canadian car ferry to Prescott, Ontario. This car ferry draws about 12 feet.

The other traffic consists largely of coal from Lake Ontario ports and pulp wood from the lower St. Lawrence River. Vessels engaged in this traffic draw from 14 to 17 feet.

CLAYTON, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.
1904	293		
1920	2,284	$54,128	12,000
1921	2,092	81,509	18,788

No statistics available from 1905 to 1919.

[Navigation season: Opened Apr. 5; closed Dec. 24.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products		164		$30,009
Cattle	124		$11,666	
Sheep	1		114	
Horses	5		775	
Poultry	2		2,072	
Hogs	1		56	
Fish	31		5,326	
Vegetable food products		16		614
Flour	2		147	
Potatoes	14		467	
Wood and paper		5		171
Lumber	4		126	
Fence posts	1		45	
Ores, metals and manufactures of: Castings, malleable	7	7	1,079	1,079
Machinery and vehicles: Motor boats and canoes	8	8	10,124	10,124
Unclassified		64		26,937
Tents and tent flies	4		4,200	
Household effects	[1] 60		22,737	
Total		264		58,934

[1] Estimated.

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CLAYTON, N. Y.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.		Average haul.	Rate. per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
RECEIPTS, INTERNAL.						
Nonmetallic minerals: Anthracite coal	1,828	1,828	$22,575	$22,575	*Miles.* 70	*Mills.* 19

SUMMARY.

Classes of commodities.	Foreign imports.		Domestic receipts.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	164	$20,009			164	$20,009
Vegetable food products	16	614			16	614
Wood and paper	5	171			5	171
Nonmetallic minerals			1,828	$22,575	1,828	22,575
Ores, metals and manufactures of	7	1,079			7	1,079
Machinery and vehicles	8	10,124			8	10,124
Unclassified	64	26,937			64	26,937
Total	264	58,934	1,828	22,575	2,092	81,509

Vessel classification, 1921.

Class.	Entrances and clearances.			Net registered tonnage.	Passengers.
	American.	Foreign.	Total.		
Registered:					
Steam	46	234	280	353,624	13,388
Sail and barge	16	1	17	508	
Motor	6	270	276	20,048	5,400
Total	68	505	573	374,180	18,788

No record of unregistered vessels.

Decrease of net registered tonnage, 1921 under 1920		33,598
Amount of revenue collected, calendar year, 1921, lake commerce		$5,708.82
Value of imports:		
By lake, free	$44,434.00	
By lake, dutiable	14,500.00	
Total		58,934
Greatest draft of vessels arrived or departed in 1921 ... feet		14

No new lines of transportation established.

No lines of transportation abandoned.

The principal traffic is carried on by boats of the Canada Steamship Lines, there being one boat daily both up and down the river during the season, which begins about June 15, and extends to about September 15. These boats draws 12 feet. There are also smaller steamboats trading between Clayton and Alexandria Bay, N. Y., and Clayton and Gananoque, Canada; also a great many motor boats which run from Clayton to numerous island resorts on St. Lawrence River. These motor boats are largely privately owned, but many of them are operated for the convenience of passengers to and from the islands.

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ALEXANDRIA BAY, N. Y.

Comparative statement of traffic.

Year.	By lake.		
	Tons.	Value.	Passengers.
1920	6,304	$99,982	31,705
1921	6,312	130,418	31,542

No statistics available prior to 1920.

[Navigation season: Opened Apr. 24; closed Nov. 30.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products: Horses	27	41	$15,559	$19,97
Meat, poultry, and eggs—				
Lamb and veal	2		287	
Poultry, dressed	1		234	
Eggs in shell	½		138	
Dairy products—				
Milk	5		576	
Butter	1½		1,276	
Fish, fresh	4		1,900	
Vegetable food products		4		203
Potatoes	1		40	
Corn	1		60	
Fruit and nuts: Apples	2		103	
Wood and paper		72		1,395
Pine	51		1,160	
Wood, fire	21		235	
Unclassified		93		9,163
Manure	80		300	
Miscellaneous	[1] 13		8,863	
Total		210		30,731
EXPORTS.				
Animals and animal products: Horses, polo	23	23	15,100	15,100
Wood and paper		20		1,296
White pine	13		296	
Portable building materials and furniture	7		1,000	
Nonmetallic minerals: Anthracite coal	50	50	736	736
Machinery and vehicles		3		2,044
Gas engines	[1] 2		1,094	
Automobiles	1		950	
Unclassified: Miscellaneous	9	9	4,427	4,427
Total		105		23,603
Total imports and exports		315		54,334

[1] Estimated.

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ALEXANDRIA BAY, N. Y.—continued.

DOMESTIC.

Classes of commodities.	Amount in short tons.		Value.		Average haul.	Rate per ton-mile.
	By commodities.	By classes.	By commodities.	By classes.		
RECEIPTS, INTERNAL.						
					Miles.	*Mills.*
Nonmetallic minerals: Anthracite coal	5,924	5,924	$73,164	$73,164	80	17
Unclassified: Miscellaneous	73	73	2,920	2,920	36	8
Total		5,997		76,084		

SUMMARY.

Classes of commodities.	Foreign.				Domestic receipts.		Total.	
	Imports.		Exports.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	41	$19,970	23	$15,100			64	$35,070
Vegetable food products	4	203					4	203
Wood and paper	72	1,395	20	1,296			92	2,691
Nonmetallic minerals			50	736	5,924	$73,164	5,974	73,900
Machinery and vehicles			3	2,064			3	2,064
Unclassified	93	9,163	9	4,427	73	2,920	175	16,510
Total	210	30,731	105	23,603	5,997	76,084	6,312	130,418

Vessel classification, 1921.

Class.	Entrances and clearances.			Net registered tonnage.	Passengers.
	American.	Foreign.	Total.		
Registered:					
Steam	181	272	453	367,476	23,291
Sail and barge	13	1	14	837	
Motor	15	1	16	60	8,251
Total	209	274	483	368,373	31,542

No record of unregistered vessels.

Decrease of net registered tonnage, 1921 under 1920		33,634
Amount of revenue collected, calendar year, 1921, lake commerce		$1,514.09
Value of imports:		
By lake, free	$23,832.14	
By lake, dutiable	6,898.86	
Total		30,731.00
Value of exports, lake		23,603.00
Enrolled tonnage, port of Alexandria Bay	gross tons	3,721
Greatest draft of vessels arrived or departed in 1921	feet	14

No new lines of transportation established.
No lines of transportation abandoned.
Motor boats and passengers carried in them are estimated.

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MORRISTOWN, N. Y.

Comparative statement of traffic.

Year.	By lake.		By ferry.		
	Tons.	Value.	Tons.	Value.	Passengers
1920	338	$2,957	1,232	$396,703	27,258
1921	1,054	43,129	261	129,277	27,250

No statistics available prior to 1920.

[Navigation season: Opened Mar. 15; closed Dec. 29.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products: Milk and cream—Milk, fresh	1,054	1,054	$43,129	$43,129

FERRY TRAFFIC.

IMPORTS.				
Animals and animal products		139		$68,956
Cattle	44		$32,855	
Horses	4		800	
Poultry, dressed	8		7,400	
Cream	64		21,089	
Butter	2		2,072	
Cheese	1		230	
Fish, fresh	16		3,974	
Furs and manufactures of, undressed			568	
Unclassified		[1] 78		12,449
Household effects	[1] 28		5,785	
Miscellaneous	[1] 50		6,664	
Total		217		81,407
EXPORTS.				
Animals and animal products		1		5,190
Cattle (pure-bred)	1		4,500	
Fur			690	
Ores, metals, and manufactures of		31		23,271
Agricultural implements and supplies	22		12,348	
Automobiles	3		9,000	
Copper	5		1,923	
Unclassified		12		19,409
Household effects	12		6,735	
Miscellaneous			12,674	
Total		44		47,870
Total imports and exports		261		129,277

[1] Estimated.

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MORRISTOWN, N. Y.—continued.

SUMMARY.

Classes and commodities.	Foreign imports.	
	Tons.	Value.
Animals and animal products, except wool and hair	1,054	$43,129

General ferry: Short tons, 261; value, $129,277.

Vessel classification, 1921.

Class.	Entrances and clearances.			Net registered tonnage.	Passengers.
	American.	Foreign.	Total.		
Registered:					
Steam	552	14	566	23,758	25,253
Motor	275		275		2,000
Total	827	14	841	23,758	27,253

No record of unregistered vessels.

Decrease of net registered tonnage, 1921 under 1920		3,784
Amount of revenue collected, calendar year 1921, lake commerce		$13,761.32
Value of imports:		
By lake, free	$30,086.00	
By lake, dutiable	94,450.00	
		$124,536.00
Value of exports, lake		47,870
Greatest draft of vessels arrived or departed in 1921 ... feet		12

No new lines of transportation established.

No lines of transportation abandoned.

There were also handled in and out, about 4,200 automobiles.

Nearly all the business done here is by ferry from Brockville, Ontario, except some milk by motor boat from Maitland, Ontario.

WADDINGTON, N. Y.

Comparative statement of traffic.

Year.	By lake.			By ferry.		
	Tons.	Value.	Passengers.	Tons.	Value.	Passengers.
1920	66,742	$760,470	2,231	(1)	$16,415	3,361
1921				(1)	16,149	4,702

[1] No statistics available.

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WADDINGTON, N. Y.—continued.

[Navigation season: Opened Apr. 20; closed Dec. 31.]

Ferry traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Unclassified: Miscellaneous merchandise	(1)	(1)	$12,212	$12,212
EXPORTS.				
Unclassified: Miscellaneous merchandise	(1)	(1)	3,937	3,937
Total		(1)		16,149

[1] Weights not available.

SUMMARY.[1]

Classes of commodities.	Foreign.				Total.	
	Imports.		Exports.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Unclassified	(2)	$12,212	(2)	$3,937	(2)	$16,149

[1] Weights not available. [2] All freight traffic was by ferry.

Vessel classification, 1921.

Class.	Entrances and clearances (foreign).	Net registered tonnage.	Passengers.
Registered: Steam	199	5,572	4,702

No record of unregistered vessels.

Decrease of net registered tonnage, 1921 under 1920		43,539
Amount of revenue collected, calendar year 1921, lake commerce		$330.90
Value of imports:		
By lake, free	$2,269.00	
By lake, dutiable	9,942.00	
Total		$12,212.00
Value of exports, lake		$3,937
Greatest draft of vessels arrived or departed in 1921 feet		6

No new lines of transportation established.
No lines of transportation abandoned.

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LEWISTON HARBOR, N. Y.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.
1921	44	$66,808	201,068

No statistics available prior to 1921.

[Season of navigation: Opened May 21; closed Oct. 16, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products: Horses	3	3	$1,100	$1,100
Machinery and vehicles: Automobiles	8	8	14,926	14,926
All other	5	5	2,914	2,914
Total		16		18,940
EXPORTS.				
Animals and animal products: Horses	1	1	500	500
Nonmetallic minerals: Glassware	1	1	353	353
Machinery and vehicles		24		45,964
Electrical goods	4		2,224	
Automobiles	20		43,740	
Unclassified		2		1,051
Household goods	1		658	
All other	1		393	
Total		28		47,868
Total imports and exports		44		66,808

SUMMARY.

Classes and commodities.	Foreign.				Total.	
	Imports.		Exports.		Tons.	Value.
	Tons.	Value.	Tons.	Value.		
Animals and animal products	3	1,100	1	$500	4	$1,600
Nonmetallic minerals			1	353	1	353
Machinery and vehicles	8	14,926	24	45,964	32	60,890
All others	5	2,914	2	1,051	7	3,965
Total	16	18,940	28	47,868	44	66,808

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LEWISTON HARBOR, N. Y.—continued.

Vessel classification, 1921.

Class.	Entrances and clearances (foreign).	Net registered tonnage.	Passengers.
Registered: Steam	1,018	508,527	201,038

No record of unregistered vessels.

Increase of net registered tonnage, 1921 over 1920		50,088
Amount of revenue collected, calendar year 1921: Lake commerce		$377.50
Value of imports:		
By lake, free	$21,737.00	
By lake, dutiable	1,622.00	
Total		$23,359.00
Value of exports, lake		$44,128.00
Greatest draft of vessels arrived or departed in 1921 feet		10

No new lines of transportation established.

No lines of transportation abandoned.

Freight traffic was carried by steamers *Cayuga* and *Chippewa* between Lewiston, N. Y., and Toronto, Ontario (Lake Ontario).

The values of imports and exports by lake are those of the records of the subcollector of customs office, Lewiston, N. Y.

LOS ANGELES, CALIF., DISTRICT.

SAN DIEGO HARBOR, CALIF.

Comparative statement of traffic.

Year.	Tons.[1]	Value.[1]	Passengers.	Rafted lumber.
				Tons.
1890	[2] 147,856	[3] 306,302	(4)	.....
1891	[2] 210,606	[3] 1,131,956	(4)	.....
1892	[2] 130,063	[3] 309,502	(4)	.....
1893	[5] 143,908	[3] 664,661	(4)	.....
1894	[2] 158,904	[3] 637,964	(4)	.....
1895	[2] 149,126	[3] 167,650	(4)	.....
1896	[2] 109,696	(4)	(4)	.....
1897	146,931	(4)	(4)	.....
1898	83,910	(4)	(4)	.....
1899	135,308	(4)	(4)	.....
1900	152,777	(4)	(4)	.....
1901	121,130	(4)	(4)	.....
1902	105,101	(4)	(4)	.....
1903	131,706	(4)	(4)	.....
1904	121,686	4,092,000	(4)	.....
1905	159,433	11,614,000	(4)	.....
1906	216,761	10,523,498	(4)	(4)
1907	263,559	11,923,000	(4)	(4)
1908	250,866	11,191,460	(4)	(4)
1909	265,951	19,065,730	[6] 1,102	(4)
1910	398,048	22,591,487	[6] 3,609	18,060
1911	395,634	41,164,243	80,630	26,896
1912	537,674	51,527,542	88,693	26,930
1913	631,022	55,840,124	83,904	27,780
1914	654,087	60,184,675	78,910	27,962
1915	550,848	55,302,880	126,787	21,364
1916	720,081	36,706,880	63,916	27,008
1917	1,068,531	21,252,419	33,092	33,050
1918	484,729	15,323,878	20,510	12,498
1919	634,085	23,314,122	22,183	19,472
1920	541,063	17,380,454	14,644	18,608
1921	611,817	16,952,215	10,635	24,550

[1] Includes timber rafts, where stated.
[2] Exclusive of foreign merchandise.
[3] Value of foreign merchandise only.
[4] No statistics available.
[5] Exclusive of foreign and outgoing domestic merchandise.
[6] To and from foreign ports only.

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SAN DIEGO HARBOR, CALIF.—continued.

[Navigation season: Open entire year.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products		788		$225,247
Abalone, canned	151		$81,810	
Abalone meat	62		43,400	
Fish	66		4,510	
Lobster	491		77,377	
All other	18		18,150	
Vegetable food products		143		31,173
Beans	50		6,613	
Flour	32		3,104	
Sugar	11		10,032	
Tequila	12		9,600	
Vegetable	38		1,824	
Other vegetable products: Bran	48	48	3,872	3,872
Nonmetallic minerals: Onyx	298	298	89,700	89,700
Machinery and vehicles: Autos	1	1	500	500
Chemicals		802		24,220
Fertilizer	64		2,080	
Guano	738		22,140	
Unclassified		166		33,640
Abalone shells	42		4,480	
All other	124		29,160	
Total imports		2,246		408,352
EXPORTS.				
Vegetable food products		254		42,187
Coffee	23		9,307	
Flour	46		4,462	
Poultry food	2		160	
Rice	57		14,513	
Sugar	53		10,587	
Vegetables	73		3,158	
Other vegetable products		4,582		210,180
Cottonseed oil cake	1,344		80,640	
Cottonseed meal	3,238		129,540	
Textiles: Cotton	920	920	336,926	336,926
Wood and paper: Lumber	526	526	7,746	7,746
Nonmetallic minerals		189		3,151
Cement	54		857	
Coal	3		54	
Lime	9		85	
Salt	123		2,155	
Ores, metals, and manufactures of: Hardware	5	5	800	800
Machinery and vehicles: Autos	3	3	2,993	2,993
Unclassified: Miscellaneous	1,302	1,302	302,708	302,708
Total exports		7,781		906,691
Total imports and exports		10,027		1,315,043

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products			1,012		$381,350
Butter		306		$183,720	
Cheese		80		47,760	
Fish		37		3,650	
Leather goods		19		43,710	
Milk		570		102,510	

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SAN DIEGO HARBOR, CALIF.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE—continued.					
Vegetable food products			12,082		$2,051,091
Beans		109		$20,672	
Beer		26		6,838	
Canned goods		1,497		284,392	
Chocolate		187		54,920	
Coffee		784		301,104	
Confectionery		114		26,128	
Feed		1,133		82,066	
Flour		4,558		442,094	
Fruit		65		9,856	
Groceries		1,717		326,249	
Olives and olive oil		39		4,680	
Rice		527		56,439	
Sugar		1,229		289,266	
Vegetables		115		5,518	
Wine and liquors		62		140,880	
Other vegetable products			1,034		920,581
Drugs		302		72,384	
Rubber		170		232,763	
Rubber goods		162		175,014	
Tobacco		400		420,420	
Textiles			592		270,790
Cordage		126		37,740	
Dry goods and clothing		466		233,050	
Wood and paper			175,530		2,833,673
Furniture		559		229,631	
Hardwood	7			431	
Logs, rafted	13,858			198,510	
Lumber	116,957			1,665,181	
Lumber, rafted	372			4,980	
Paper		2,957		236,594	
Piling, rafted	10,320			147,473	
Ties	30,399			352,436	
Wood products		101		3,447	
Nonmetallic, minerals			385,139		4,138,225
Bottles, empty		151		6,650	
Cement		33		528	
Coal oil	4,427			90,500	
Coal	63,511			854,095	
Distillate	2,590			118,673	
Gasoline	15,479			850,365	
Glassware		10		1,477	
Marble	14			2,320	
Oil (lubricating)		150		11,300	
Oil (fuel)	208,632			2,199,757	
Salt		142		2,560	
Ores, metals, and manufactures of			5,514		841,247
Copper		11		6,360	
Hardware		2,270		397,210	
Pipe	1,736			242,054	
Steel	1,497			194,623	
Machinery and vehicles			1,312		861,309
Autos		68		66,868	
Auto supplies		54		35,425	
Machinery		1,190		759,021	
Chemicals			1,745		280,819
Ammunition		94		86,117	
Lead		99		13,974	
Paint		875		131,295	
Soda ash		339		8,272	
Soap		316		47,355	
Soap powder		22		3,906	
Unclassified			7,949		1,498,771
Electric goods		194		96,750	
Household goods		277		51,388	
Personal effects		34		15,136	
Photo goods		30		20,638	
Pianos		37		18,200	
Spirits		18		5,204	
Stationery		166		31,183	
All other		7,198		1,251,373	
Total receipts, coastwise	559,799	32,090	591,889		14,072,386

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SAN DIEGO HARBOR, CALIF.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS, COASTWISE.					
Animals and animal products			1,115		$128,933
Fish		670		$66,980	
Fish, canned		439		59,593	
All other		6		2,360	
Vegetable food products			2,967		473,632
Beans		254		48,241	
Coffee		12		4,870	
Canned goods		495		94,221	
Confectionery		84		19,366	
Fruit		775		109,500	
Groceries		90		17,005	
Honey		399		139,720	
Vegetables		848		40,709	
Other vegetable products			139		139,174
Rubber goods		136		136,024	
Tobacco		3		3,150	
Textiles			224		76,460
Cordage		2		450	
Cotton		191		56,710	
Dry goods and clothing		31		19,300	
Wood and paper			996		24,260
Furniture		19		8,536	
Lumber		640		10,240	
Piling (barged)	256			3,048	
Wood products		81		2,436	
Nonmetallic minerals			338		8,485
Bottles, empty		22		984	
Foundry sand		176		3,524	
Oil (lubricating)		40		2,977	
Salt		100		1,000	
Ores, metals, and manufactures of			125		21,627
Copper		4		2,640	
Hardware		67		11,669	
Pipe	24			3,444	
Steel		30		3,874	
Machinery and vehicles			132		104,158
Autos		53		53,293	
Auto supplies		23		14,820	
Machinery		56		36,045	
Chemicals			3,010		394,354
Guano		360		15,000	
Paint		4		570	
Soap powder		2,706		378,784	
Unclassified			865		193,233
Household goods		160		26,947	
Personal effects		18		7,829	
All other		687		158,457	
Total shipments, coastwise	280	9,621	9,901		1,564,316
Total receipts and shipments, coastwise	560,079	41,711	601,790		15,637,172

Commerce in transit, remaining on ships in and out of harbor, but not unloaded there.

Commodities.	Amounts in short tons.	Value.
Coal	9,500	$123,500
Lumber	1,130	15,820
Unclassified	132,594	29,833,000
Total	143,224	29,972,320

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SAN DIEGO HARBOR, CALIF.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic, coastwise.	
	Imports.		Exports.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	788	$225,247	.....	.....	2,127	$510,283
Vegetable food products	143	31,173	254	$42,187	15,019	2,524,723
Other vegetable products	48	3,872	4,582	210,180	1,173	1,039,755
Textiles	.....	.....	920	336,926	816	347,250
Wood and paper	.....	.....	526	7,746	176,526	2,862,933
Nonmetallic minerals	298	89,700	189	3,151	385,477	4,146,710
Ores, metals, and manufactures of	.....	.....	5	800	5,639	862,874
Machinery and vehicles	1	500	3	2,993	1,444	965,467
Chemicals	802	24,220	.....	.....	4,755	685,173
Unclassified	166	33,640	1,302	302,708	8,814	1,692,004
Total	2,246	408,352	7,781	906,691	601,790	15,637,172

	Short tons.	Value.
Cargoes in transit	143,224	$29,972,330

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.	Net registered tonnage.	Passengers.
Registered:					
Steamers	349	2	351	386,617	10,022
Motors	245	88	333	17,499	613
Sailing	1	.....	1	77	.....
Unrigged	26	.....	26	26,111	.....
Total	621	90	711	430,304	10,635

LOS ANGELES HARBOR, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1890	158,766	(1)	(1)	1906	1,007,476	$20,245,000	(1)
1891	208,831	(1)	(1)	1907	1,273,000	32,348,000	(1)
1892	245,218	(1)	(1)	1908	1,005,097	25,189,300	(1)
1893	231,757	(1)	(1)	1909	1,425,952	44,402,454	228,632
1894	187,558	(1)	(1)	1910	1,709,294	47,040,588	268,086
1895	38,105	(1)	(1)	1911	1,720,711	77,704,843	309,720
1896	95,888	(1)	(1)	1912	1,867,098	86,468,264	309,415
1897	225,675	(1)	(1)	1913	1,727,876	94,266,762	232,989
1898	223,575	(1)	(1)	1914	1,734,752	76,696,764	377,208
1899	239,743	(1)	(1)	1915	1,948,034	88,651,408	517,951
1900	253,855	(1)	(1)	1916	2,014,425	61,105,441	396,703
1901	486,788	(1)	(1)	1917	2,409,046	87,843,671	288,917
1902	595,148	(1)	(1)	1918	2,091,056	87,758,926	219,243
1903	769,404	(1)	(1)	1919	3,152,005	114,491,782	351,730
1904	845,220	$9,000,000	(1)	1920	4,340,074	188,330,169	530,589
1905	1,087,557	42,700,000	(1)	1921	5,253,452	208,218,126	494,069

[1] No statistics available.

In 1910, due to the consolidation of the cities of San Pedro and Wilmington with Los Angeles, the names of San Pedro Harbor and Wilmington Harbor were changed to Los Angeles Harbor.

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LOS ANGELES HARBOR, CALIF.—continued.

[Navigation season: Open entire year.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products		2,293		$338,378
Fish	1,662		$228,202	
Shells, miscellaneous	376		2,542	
All other	255		127,634	
Vegetable food products		9,839		1,530,689
Breadstuffs, miscellaneous	237		23,809	
Breadstuffs, flour	454		45,092	
Chocolate and cocoa	200		30,262	
Coconut	163		26,854	
Coffee	2,903		669,873	
Linseed oil	1,414		226,257	
Nuts, edible	663		45,775	
Oil cake	874		19,800	
Rice	113		13,984	
Spice	310		54,728	
Sugar	1,240		104,111	
Sauce	220		43,808	
Tea	162		84,376	
Vegetables, miscellaneous	569		55,414	
All other	317		86,546	
Other vegetable products		3,781		1,174,382
Nursery stock	113		15,902	
Rubber	2,716		1,004,806	
Rubber goods	17		8,446	
Seaweed and moss	63		5,119	
Seeds	814		104,317	
Tobacco	48		33,506	
All other	10		2,586	
Textiles		3,058		1,208,248
Carpets	371		74,396	
Cotton manufactures	268		468,326	
Fiber, vegetable manufactures	195		49,173	
Hair and hair manufactures	167		42,245	
Kapoc	71		15,971	
Linoleum	36		18,361	
Rags	1,054		54,230	
Silk manufactures	281		241,752	
Wool, unmanufactured	82		42,272	
Wool manufactures	394		171,904	
All other	139		29,618	
Wood and paper		38,531		3,242,527
Furniture	78		39,312	
Lumber	15,276		499,209	
Lumber, poles and piling	100		3,534	
Lumber manufactures	172		95,583	
Paper manufactures	105		23,127	
Paper, books	102		61,686	
Paper, news	9,861		1,476,783	
Paper, printing	12,084		990,670	
Wood pulp	753		52,623	
Nonmetallic minerals		66,270		1,485,454
China and porcelain	92		125,192	
Coke	198		1,690	
Chalk, crude	2,421		4,042	
Earthenware and stoneware	367		91,003	
Earth, clay	432		10,347	
Glass and glassware	5,667		622,021	
Oil, miscellaneous	55,155		441,246	
Sand	1,827		290	
All other	111		189,623	
Ores, metals, and manufactures of		16,605		566,903
Ferromanganese	340		21,253	
Iron, pig	12,664		335,688	
Iron, scrap	13		450	
Iron and steel manufactures	272		83,019	
Iron and steel ingots	3,221		79,254	
Jewelry, gold and silver articles	5		26,821	
All other	90		20,418	
Machinery and vehicles		152		63,320
Automobiles	9		13,773	
Agricultural implements	77		15,418	
Electrical goods	4		3,983	
Machinery	62		30,146	

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LOS ANGELES HARBOR, CALIF.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Chemicals		7,924		$532,729
Chemicals, miscellaneous	376		$37,629	
Dried blood	2,393		115,945	
Explosives	57		17,041	
Fertilizers	3,280		197,013	
Coal tar products	187		5,746	
Lime, chloride	66		2,060	
Paints	153		29,357	
Perfumes and toilet preparations	61		12,271	
Pharmaceutical preparations	64		12,720	
Soda, miscellaneous	1,248		98,247	
All other	39		4,700	
Unclassified		5,340		1,799,237
American goods returned	356		177,988	
Art, works of	120		145,098	
Household goods	3,428		515,877	
Matches	228		22,843	
Photographic goods	314		157,120	
Toys	124		62,116	
All other	760		718,195	
Total imports		153,793		11,982,057
EXPORTS.				
Animals and animal products		1,065		301,159
Dairy products	72		14,205	
Fish	418		122,429	
Grease	47		9,591	
Leather manufactures	54		42,909	
Meat products	442		102,677	
All other	32		9,348	
Vegetable food products		17,029		1,399,[illegible]
Breadstuffs, miscellaneous	440		43,974	
Breadstuffs, flour	412		41,214	
Coffee, cocoa and chocolate	22		6,432	
Confections	60		30,237	
Fruit, miscellaneous	5,142		803,074	
Grain, meal and mill feed	1,669		56,865	
Nuts, edible	63		31,562	
Oil, vegetable	768		111,874	
Oil cake, and oil cake meal	7,625		232,231	
Vegetables, miscellaneous	752		26,714	
All other	76		15,660	
Other vegetable products		376		80,233
Nursery stock and seeds	212		22,229	
Rubber, scrap	89		5,334	
Rubber manufactures	41		44,201	
All other	34		8,469	
Textiles		15,839		6,322,[illegible]
Cotton, raw	15,410		5,669,748	
Cotton goods	306		551,716	
Silk goods	27		38,209	
Wool manufactures	36		36,046	
All other	60		27,064	
Wood and paper		2,181		218,399
Lumber	751		30,560	
Lumber manufactures	210		65,155	
Paper manufactures	357		102,092	
Paper stock	844		18,340	
All other	19		2,252	
Nonmetallic minerals		842,492		6,913,[illegible]
Cement	2,271		34,070	
Clay and earth	266		13,308	
Coal	10		76	
Earthenware and stoneware	109		23,010	
Glass and glassware	189		12,495	
Lime	37		1,508	
Oil, asphaltum	31		623	
Oil, fuel	313,455		2,507,742	
Oil, gasoline	121,714		973,715	
Oil, illuminating	402,808		3,222,462	
Oil, lubricating	1,131		113,173	
Oil, mineral, miscellaneous	364		2,911	
All other	107		8,774	

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LOS ANGELES HARBOR, CALIF.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Ores, metals, and manufactures of		4,214		$498,919
Copper, scrap	45		$8,512	
Iron and steel castings	29		5,709	
Iron and steel manufactures	3,266		302,035	
Iron and steel, structural	110		7,851	
Iron and steel tools	56		28,001	
Iron and steel, wire and manufactures	555		111,167	
All other	153		35,644	
Machinery and vehicles		1,812		998,836
Automobiles and other vehicles and parts	114		142,489	
Agricultural implements	29		8,713	
Electrical machinery	23		22,593	
Engines and parts	97		48,430	
Machinery, miscellaneous	1,531		757,998	
All other	18		13,624	
Chemicals		7,717		322,543
Acids, miscellaneous	42		5,194	
Dyes and dyestuffs	12		1,160	
Paints	33		4,048	
Pharmaceutical preparations	4,952		99,048	
Potash	1,071		53,555	
Soap	414		41,517	
Soda, miscellaneous	647		49,716	
All other	546		68,305	
Unclassified		1,230		184,512
Household and personal effects	994		94,412	
Photographic goods	77		38,528	
All other	159		51,572	
Total exports		893,955		17,236,088
Total imports and exports		1,047,748		29,198,155

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products			37,379		$7,177,650
Butter		485		$411,900	
Cheese		359		250,900	
Eggs		122		56,800	
Fish	18,352	3,358		2,488,110	
Gelatine and glue		296		23,680	
Grease		353		85,750	
Lard		613		250,650	
Lard substitutes		500		117,350	
Leather and manufactures		730		1,757,900	
Live stock	833			179,390	
Milk		10,932		1,465,630	
Oleomargarine		104		56,000	
All other		342		33,590	
Vegetable food products			97,790		14,715,829
Canned goods		9,170		1,317,325	
Cocoa and products		1,882		780,120	
Coffee		3,169		1,438,050	
Confections		569		284,500	
Fruit		1,065		317,025	
Flour		33,941		3,094,900	
Grain, meal and mill feed		2,539		139,222	
Groceries		1,459		364,750	
Liquors		933		400,900	
Malt		900		81,000	
Oil, vegetable		821		158,990	
Preserves, jellies, and jams		1,271		335,190	
Rice		2,983		554,625	

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LOS ANGELES HARBOR, CALIF.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE—continued.					
Vegetable food products—Continued.					
Sugar and glucose		26,100		$3,369,800	
Sirup		2,836		493,395	
Tea		218		130,800	
Vegetables		4,219		455,991	
All other		3,715		999,846	
Other vegetable products			6,946		$3,052,165
Drugs		2,387		477,400	
Naval stores		255		51,000	
Rubber		421		84,200	
Rubber, crude		160		32,000	
Rubber goods		363		264,790	
Rubber hose		199		139,300	
Rubber, auto tires		495		724,900	
Rosin		626		136,980	
Seeds		214		21,400	
Tobacco		1,622		1,078,165	
All other		204		42,030	
Textiles			11,759		8,670,980
Bags and burlap		927		111,240	
Clothing		205		656,500	
Cotton		212		127,200	
Cotton goods		3,065		1,940,200	
Dry goods		1,462		3,068,400	
Linoleum and oil cloth		2,685		1,339,110	
Kapoc		83		19,920	
Rope and twine		981		504,170	
Rags and waste		440		74,310	
Rugs and carpets		1,531		758,900	
Wool		53		47,000	
All other		115		23,940	
Wood and paper			1,050,340		29,126,302
Cork and manufactures		245		140,200	
Furniture		1,434		568,000	
Lumber	871,704			14,014,129	
Lumber, lath		33,512		700,761	
Lumber, poles and piling	12,615			355,849	
Lumber, shakes and shooks		507		26,706	
Lumber, shingles		11,882		507,052	
Lumber, timbers	36,740			595,523	
Lumber, ties	41,815			729,186	
Lumber, hardwood		862		56,208	
Paper		6,279		1,883,700	
Paper, news		18,460		4,081,025	
Paper, printing		4,979		1,890,600	
Paper, manufactures		7,971		3,509,775	
Wood pulp		1,128		47,060	
Wood manufactures		111		14,160	
All other		96		6,368	
Nonmetallic minerals			55,887		1,532,300
Asbestos and manufactures		239		26,625	
Asphalt		332		6,115	
Cement		513		7,503	
Coal and coke	13,198			164,774	
Earthenware		422		88,800	
Glass		1,297		113,747	
Marble		755		28,440	
Oil, miscellaneous	273			57,154	
Oil, Diesel	5,360			66,675	
Oil, distillate	229			10,241	
Oil, fuel	15,956			174,765	
Oil, lubricating	1,474			168,740	
Oil tops	4,520			56,232	
Sand and screenings	100			4,274	
Sulphur	10,552			527,600	
All other		667		31,815	
Ores, metals and manufactures			132,655		22,509,261
Copper and manufactures		1,812		829,950	
Hardware		3,715		2,793,010	
Iron and steel, miscellaneous		18,773		1,963,245	
Iron and steel manufactures		5,379		1,023,790	
Iron and steel bolts		1,066		120,100	
Iron and steel pipe fittings	41,307	1,483		5,193,720	
Iron and steel nails		10,451		1,042,820	
Iron and steel, plates and sheets	17,393			1,298,800	
Iron and steel rails	492			26,480	

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LOS ANGELES HARBOR, CALIF.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE—continued.					
Ores, metals and manufactures—Contd.					
Iron and steel, structural	11,992			$1,030,000	
Iron and steel, casting		31		5,880	
Iron and steel, wire and manufactures		6,061		1,129,710	
Lead and manufactures	2,549	77		1,330,695	
Metals		463		72,130	
Plumbing supplies		3,566		2,318,350	
Tin, miscellaneous		5,638		2,085,331	
All other		407		245,450	
Machinery and vehicles			10,673		$7,491,220
Autos and other vehicles		1,457		1,852,780	
Auto accessories		746		453,360	
Boilers and parts		394		114,600	
Electrical goods		2,474		2,059,730	
Machinery		5,024		2,585,800	
Meters		483		381,200	
Stoves and ranges		95		43,750	
Chemicals			15,286		2,875,677
Ammunition		141		119,600	
Ammonia		452		94,125	
Fertilizer		1,234		55,530	
Lime, chloride		199		16,930	
Paint and varnish		3,003		702,690	
Soap and washing powder		3,263		579,925	
Soda, miscellaneous		2,647		307,432	
Toilet supplies		134		379,500	
All other		4,213		619,945	
Unclassified			46,447		17,010,985
Baking powder		326		114,100	
Empties returning	947			31,235	
Household goods		845		127,650	
Ink		675		342,640	
Musical instruments		1,345		936,950	
Surgical dressings		105		52,500	
Toys		398		270,400	
Yacht and launch		57		42,500	
All other	506	41,243		15,093,010	
Total receipts, coastwise	1,108,907	356,255	1,465,162	114,163,479	114,163,479
SHIPMENTS, COASTWISE.					
Animals and animal products			8,514		2,842,960
Animals	461			110,740	
Butter		57		51,600	
Eggs		47		11,300	
Fish		5,598		1,583,800	
Grease		97		24,200	
Glue		553		71,560	
Lard		795		322,540	
Leather and hides		368		450,900	
Meats		280		159,300	
Milk, canned		99		16,770	
Tallow		98		21,800	
All other		61		18,450	
Vegetable food products			41,414		6,476,735
Beans		13,498		1,510,260	
Canned goods		9,523		1,402,950	
Confections		673		336,500	
Fruit, miscellaneous		8,472		910,845	
Flour		182		14,560	
Grain, meal and mill feed		554		28,835	
Groceries		1,055		263,750	
Hay		163		3,485	
Honey		1,155		389,550	
Liquors		476		93,000	
Nuts, edible		1,417		703,950	
Olives and olive oil		366		102,065	
Sirup		398		70,225	
Vegetables		2,496		299,405	
All other		986		347,355	
Other vegetable products			1,068		738,935
Drugs		173		34,600	
Naval stores		219		43,800	
Rubber and rubber goods		221		52,310	
Rubber auto tires		394		578,400	

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LOS ANGELES HARBOR, CALIF.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS, COASTWISE—continued.					
Other vegetable products—Continued.					
Tobacco		30		$22,025	
All other		31		9,800	
Textiles			7,177		35,412,660
Bags and burlap		78		7,575	
Cotton		4,768		2,860,800	
Cotton goods		164		81,100	
Clothing		12		39,500	
Dry goods		477		1,127,400	
Linoleum		79		32,500	
Rope		83		43,300	
Rugs and carpets		7		3,500	
Wool		1,482		1,211,800	
All other		27		4,185	
Wood and paper			3,330		543,683
Cork		1		600	
Lumber	1,175			19,298	
Lumber manufactures		47		4,300	
Paper		532		176,280	
Paper, printed matter		246		60,065	
Paper roofing		1,225		232,390	
All other		104		50,750	
Nonmetallic minerals			2,652,069		41,179,234
Brick		369		3,670	
Cement		1,705		36,763	
Crockery and earthenware		50		10,600	
Earth, infusorial		2,993		59,860	
Oil, miscellaneous	60			601	
Oil, Diesel	17,487			264,515	
Oil, distillate	24,268			1,156,045	
Oil, fuel	2,304,221			22,887,485	
Oil, gasoline	238,632			14,901,971	
Oil, kerosene	39,056			1,382,781	
Oil, lubricating	364			40,040	
Oil, motor fuel	1,391			19,297	
Oil tops	18,819			218,871	
Sand		60		240	
Talc		1,964		78,160	
All other		660		28,325	
Ores, metals and manufactures			3,592		769,280
Copper and manufactures		83		37,000	
Hardware		391		272,690	
Iron and steel, miscellaneous		460		49,135	
Iron and steel manufactures	1,720	516		261,020	
Iron and steel, wire manufactures		283		54,810	
Lead		54		38,400	
Metals		17		1,700	
All other		68		54,525	
Machinery and vehicles			1,847		1,419,010
Autos		579		654,200	
Auto accessories		302		125,180	
Electrical goods		374		351,300	
Machinery		536		268,000	
Oil-well supplies		53		18,550	
All other		3		1,800	
Chemicals			10,297		1,828,865
Acid, miscellaneous		189		39,550	
Borax		6,316		1,115,420	
Fertilizers		102		4,590	
Glycerine		131		77,290	
Paint and varnish		247		51,600	
Soap and washing powder		2,446		409,265	
Soda, miscellaneous		432		32,150	
Toilet supplies		15		37,600	
All other		419		56,400	
Unclassified			11,234		3,650,140
Empties, barrels and drums	1,149			49,570	
Household goods		181		27,000	
Ice		140		1,260	
Musical instruments		83		45,300	
All other		9,681		3,527,010	
Total shipments, coastwise	2,648,783	91,750	2,740,542		64,838,492
Total receipts and shipments, coastwise	3,757,690	448,014	4,205,704		179,019,971

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LOS ANGELES HARBOR, CALIF.—continued.

SUMMARY.

Classes of commodities.	Foreign.				Domestic, coastwise.	
	Imports.		Exports.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	2,293	$358,378	1,065	$301,159	45,893	$10,020,610
Vegetable food products	9,839	1,530,689	17,029	1,399,887	139,204	21,192,564
Other vegetable products	3,781	1,174,582	376	80,233	8,014	3,791,100
Textiles	3,058	1,208,248	15,839	6,322,783	18,936	14,083,550
Wood and paper	38,531	3,242,527	2,181	218,399	1,053,670	29,669,985
Nonmetallic minerals	66,270	1,485,454	842,492	6,912,867	2,707,956	42,712,724
Ores, metals and manufactures of	16,605	566,903	4,214	498,919	136,247	23,278,541
Machinery and vehicles	152	63,320	1,812	903,836	12,520	8,910,230
Chemicals	7,924	532,729	7,717	322,543	25,583	4,699,542
Unclassified	5,340	1,799,237	1,230	184,512	57,681	20,661,125
Total	153,793	11,962,067	893,955	17,236,088	4,205,704	179,019,971

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.	Net registered tonnage.
Registered:				
Steamers	377	92	469	1,365,049
Motors	22	13	35	72,372
Sailing	13	2	15	25,495
Barges	5	.....	5	6,222
Gas schooners	6	.....	6	2,277
Tugs	3	.....	3	433
Total	426	107	533	1,471,838

Number of passengers, 494,059.

SAN LUIS OBISPO HARBOR, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1890	40,896	(1)	1906	580,564	$4,730,000
1891	48,772	(1)	1907	1,096,054	9,888,000
1892	57,119	(1)	1908	1,071,469	7,698,024
1893	64,867	(1)	1909	1,043,433	7,118,514
1894	70,363	(1)	1910	1,177,428	8,265,885
1895	37,798	(1)	1911	1,534,984	9,712,107
1896	46,535	(1)	1912	1,998,569	10,367,745
1897	52,863	(1)	1913	2,137,187	8,865,418
1898	40,516	(1)	1914	2,280,319	10,355,955
1899	51,720	(1)	1915	1,815,233	12,150,432
1900	35,499	(1)	1916	2,153,844	13,873,951
1901	40,996	(1)	1917	2,470,056	16,428,480
1902	55,707	(1)	1918	1,873,285	22,394,146
1903	60,291	(1)	1919	2,059,574	21,428,029
1904	81,620	$2,386,000	1920	2,253,155	28,717,597
1905	445,153	4,196,000	1921	1,038,189	13,231,712

[1] No statistics available.

Passengers carried, 1912, 68; 1913, 1,008; 1914, 985.

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SAN LUIS OBISPO HARBOR, CALIF.—continued.

[Navigation season: Open entire year.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Vegetable food products		2,241		$70,670
Barley	2,198		$65,940	
Beans	43		4,730	
Nonmetallic minerals: Oil, crude	151,272	151,272	1,701,707	1,701,707
Total exports		153,513		1,772,377

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Vegetable food products			1,791		$156,686
Corn		24		$1,680	
Feed		293		8,790	
Flour		701		56,080	
Sugar		585		70,200	
All other		188		19,936	
Textiles: Burlap bags		209	209	25,080	25,080
Wood and paper			4,771		195,520
Lumber	4,738			189,520	
Paper		13		3,900	
Wood products		5		75	
Roofing paper		15		2,025	
Nonmetallic minerals			2,403		31,334
Cement		1,574		23,610	
Crude oil	503			4,527	
Salt		281		2,810	
All other		45		387	
Ores, metals, and manufactures of			31		3,720
Pipe		10		1,200	
Wire		21		2,520	
Machinery and vehicles: Motors		7	7	3,500	3,500
Chemicals			48		5,650
Soap		17		2,550	
Sulphate		31		3,100	
Unclassified: Merchandise, miscellaneous		1,136	1,136	340,800	340,800
Total receipts, coastwise	5,241	5,155	10,396		762,290
SHIPMENTS, COASTWISE.					
Animals and animal products: Hides		8	8	4,000	4,000
Vegetable food products			5,047		297,910
Barley		2,769		83,070	
Beans		1,647		181,170	
Hay		108		2,700	
Oats		492		29,520	
Vegetables		21		1,050	
Wheat		10		400	
Other vegetable products			177		16,440
Mustard seed		163		16,300	
Seaweed		14		140	
Nonmetallic minerals			868,567		10,250,595
Bottles		10		300	
Coal		23		345	
Crude oil	868,515			10,248,905	
Gasoline		19		1,045	
Machinery and vehicles: Wheels		12	12	2,400	2,400
Unclassified: Merchandise, miscellaneous		419	419	125,700	125,700
Total shipments, coastwise	868,515	5,715	874,230		10,897,045
Total receipts and shipments, coastwise	873,756	10,870	884,626		11,459,335

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SAN LUIS OBISPO HARBOR, CALIF.—continued.

Commerce in transit, remaining on ships in and out of harbor, but not unloaded there.

Commodities.	Amount in short tons.	Value.
Lumber	2,000	$30,000
Merchandise	1,500	525,000
Oil, crude	54,490	1,748,553
Total	57,990	2,303,553

SUMMARY.

Classes of commodities.	Foreign, exports.		Domestic, coastwise.	
	Tons.	Value.	Tons.	Value.
Animals and animal products			8	$4,000
Vegetable food products	2,241	$70,670	6,838	454,596
Other vegetable products			177	16,440
Textiles			209	25,080
Wood and paper			4,771	195,520
Nonmetallic minerals	151,272	1,701,707	870,970	10,281,929
Ores, metals, and manufactures of			31	3,720
Machinery and vehicles			19	5,900
Chemicals			48	5,650
Unclassified			1,555	466,500
Total	153,513	1,772,377	884,626	11,459,335

	Short tons.	Value.
Cargoes in transit	57,990	$2,303,553

Vessel classification, 1921.

Classes.	American.	Foreign.	Total.
Registered:			
Steamers	236	4	240
Unrigged	27		27
Total	263	4	267

SAN FRANCISCO, CALIF., FIRST DISTRICT.

HARBOR AT SAN FRANCISCO, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1917	9,294,366	$650,912,754		1920	[1] 7,685,402	[1] $775,014,544	53,351,448
1918	6,042,543	507,551,512	47,197,570	1921	[1] 8,382,723	[1] 765,028,314	52,307,717
1919	7,113,067	523,493,134	50,678,349				

[1] Exclusive of general ferry and car ferry traffic.

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HARBOR OF SAN FRANCISCO, CALIF.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products: Hides	2,800	2,800	$840,000	$840,000
Vegetable food products		344,911		64,864,380
Rice	15,055		1,505,500	
Wheat	100		7,000	
Beans	1,674		167,000	
Bananas	26		1,820	
Coconuts	1,317		131,700	
Copra	56,668		6,800,160	
Coconut oil	13,904		4,866,400	
Olive oil	707		212,100	
Oils, various	141,353		14,135,300	
Coffee	64,997		25,998,800	
Cocoa	6,583		1,579,920	
Tea	3,934		1,652,280	
Spices	439		175,600	
Sugar	38,154		7,630,800	
Other vegetable products		5,885		5,885,000
Rubber	3,407		3,407,000	
Cigars	2,478		2,478,000	
Textiles		53,682		12,920,390
Jute	1,583		158,300	
Bags (gunnies)	33,529		5,699,930	
Hemp	3,928		157,120	
Cordage	2,008		400,600	
Kapok	1,308		366,240	
Matting	655		131,000	
Wool	7,330		3,665,000	
Silk	3,346		2,342,200	
Nonmetallic minerals		112,218		2,440,755
Coal	74,641		1,119,615	
Coke	6,260		93,900	
Cement	832		16,640	
Glass and glassware	8,153		326,120	
Brick, fire	440		8,800	
Sulphur	21,892		875,680	
Ores, metals, and manufactures of		25,385		3,134,500
Steel rails	18,623		1,862,300	
Tin	1,192		715,200	
Tin plate	5,570		557,000	
Chemicals		28,027		1,929,190
Niter	26,937		1,885,590	
Soda	1,090		43,600	
Unclassified: Chinese merchandise	13,685	13,685	2,737,000	2,737,000
Total		586,593		94,751,215
EXPORTS.				
Animals and animal products		33,021		8,039,700
Hams and bacon	108		86,400	
Butter	396		396,000	
Salmon, canned	10,941		2,735,250	
Salmon, salt	6,030		603,000	
Codfish	292		58,400	
Fish, various	325		65,000	
Tallow	2,420		580,800	
Lard	466		116,500	
Hides	719		215,700	
Leather	4,618		2,770,800	
Boots and shoes	60		60,000	
Wax	6,255		312,750	
All other	391		39,100	
Vegetable food products		217,794		38,974,535
Barley	190		5,700	
Rice	53,969		5,396,900	
Beans	16,387		1,638,700	
Potatoes	1,217		48,680	
Onions	2,575		103,000	
Fruits, various	4,675		701,250	
Prunes	29,893		5,978,600	
Raisins	4,074		1,222,200	
Dried fruits, various	13,170		3,951,000	
Canned goods	71,859		14,371,800	

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HARBOR AT SAN FRANCISCO, CALIF.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Vegetable food products—Continued.				
Copra	561		$67,320	
Coffee	4,141		1,656,400	
Tea	5,863		2,462,460	
Sugar	3,883		776,600	
Sirup	287		50,225	
Honey	129		51,600	
Malt	3,005		300,500	
All other	1,926		192,600	
Other vegetable products		3,890		$1,263,902
Resin	613		61,390	
Drugs	954		190,800	
Tan bark	154		5,082	
Seeds	252		32,760	
Tobacco	819		409,500	
Cigars	95		95,000	
Starch	89		12,460	
Hops	914		457,000	
Textiles		31,093		11,673,500
Cotton	24,845		8,695,750	
Dry goods	3,026		2,420,800	
Bags	3,035		515,950	
Cordage	175		35,000	
Wool	12		6,000	
Wood and paper		441,321		1,259,360
Lumber	18,630		465,750	
Ties, railroad	6,148		184,440	
Shingles	382		11,460	
Shooks	1,176		35,280	
Furniture	81		16,200	
Paper	9,911		396,440	
All other	4,993		149,790	
Nonmetallic minerals		715,096		27,705,705
Coal	639		9,585	
Coke	554		8,310	
Petroleum products, refined	684,488		27,379,520	
Cement	5,630		112,600	
Lime	485		14,550	
Brick	2,530		12,650	
Salt	20,070		140,490	
Sulphur	700		28,000	
Ores, metals, and manufactures of		51,600		15,048,510
Iron	3,746		168,570	
Steel	31,948		11,181,800	
Railway material	2,900		580,000	
Wire	1,917		383,400	
Nails	989		59,340	
Hardware	1,493		298,600	
Lead	4,748		474,800	
Quicksilver	3		3,000	
Tin	2,474		1,484,400	
Metals, various	1,382		414,600	
Machinery and vehicles		70,842		14,202,400
Machinery	70,672		14,134,400	
Agricultural implements	170		68,000	
Chemicals		6,915		1,514,600
Soda	1,089		7,120	
Soda ash	575		46,000	
Borax	169		3,380	
Paint	1,903		761,200	
Fertilizer	980		73,500	
Powder	195		39,000	
Dynamite	908		363,200	
Ammunition and arms	558		167,400	
Soap	538		53,800	
Unclassified	1,753	1,753	175,300	175,300
Total		1,173,325		119,857,512
Total imports and exports		1,759,918		214,608,727

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HARBOR AT SAN FRANCISCO, CALIF.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products			43,969		$12,854,300
Eggs		183		$73,200	
Butter		590		590,000	
Cheese		1,006		603,600	
Salmon		34,002		8,500,500	
Codfish		1,420		284,000	
Sardines		723		173,520	
Dried fish		15		1,500	
Oysters		374		22,440	
Tallow		103		24,720	
Hides		5,487		2,524,020	
Pelts		20		20,000	
Leather		46		36,800	
Vegetable food products			593,399		101,659,600
Barley		6,028		361,680	
Oats		2,945		191,425	
Rice		283		28,300	
Wheat		14,492		1,014,440	
Flour		39,722		4,965,250	
Mill feed		34,989		1,749,450	
Beans		2,118		211,800	
Potatoes		3,200		128,000	
Lemons and oranges		1,089		76,230	
Bananas		4,785		333,350	
Pineapples, fresh		396		59,400	
Pineapples, canned		111,000		22,200,000	
Apples		3,566		249,620	
Walnuts		69		34,500	
Copra		94		11,280	
Coffee		2,236		894,400	
Sugar		333,206		66,641,200	
Molasses		33,089		2,481,675	
Honey		92		27,600	
Other vegetable products			3,109		108,225
Tan bark	3,025			99,825	
Mustard seed	84			8,400	
Textiles			150		68,700
Sisal		18		2,700	
Wool		132		66,000	
Wood and paper			37,347		1,517,050
Railroad ties	11,760			470,400	
Piling	4,373			218,650	
Poles	18,330			733,200	
Posts	26			650	
Shingles		16		480	
Shooks		708		21,240	
Lumber	862			21,550	
Paper		1,272		50,880	
Nonmetallic minerals			1,855,338		22,584,467
Coal	72,917			1,093,755	
Fuel oil	1,776,741			21,320,892	
Lime		5,622		168,660	
Cement		58		1,160	
Ores, metals, and manufactures of			81,781		10,856,045
Iron		6,165		277,425	
Pig iron		8,128		162,560	
Steel		16,535		6,614,000	
Steel rails		18,622		1,862,200	
Pipe		12,500		750,000	
Nails		19,831		1,189,860	
Chemicals: Soap		3,975	3,975	397,500	397,500
Total	1,888,118	730,950	2,619,068		150,045,887
SHIPMENTS, COASTWISE.					
Unclassified		411,459	411,459		41,145,900
Total receipts and shipments	1,888,118	1,142,409	3,030,527		191,191,787
RECEIPTS, INTERNAL.					
Unclassified		2,359,790	2,359,790		235,979,000
SHIPMENTS, INTERNAL.					
Unclassified		1,232,488	1,232,488		123,248,800
Total receipts and shipments		3,592,278	3,592,278		359,227,800

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HARBOR AT SAN FRANCISCO, CALIF.—continued.

FERRY TRAFFIC.

	Freight (short tons).	Value.	Passengers.	Automobiles.	Teams.	Motor cycles.
General ferry	246,146	Unknown.	48,870,951	718,740.	203,602	6,460
Car ferry	7,310,691	Unknown.	.....	.....	.....	.....
Total	7,556,837	.....	48,870,951	718,740	203,602	6,460

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Animals, etc	2,800	$840,000	33,021	$8,039,700
Vegetables, etc	344,911	64,864,380	217,794	38,974,685
Other vegetables	5,885	5,885,000	3,890	1,263,902
Textiles	53,682	12,920,390	31,093	11,673,500
Wood and paper	.....	.....	41,321	1,259,360
Nonmetallic minerals	112,218	2,440,755	715,096	27,705,705
Ores	25,385	3,134,500	51,600	15,048,510
Machinery	.....	.....	70,842	14,202,400
Chemicals	28,027	1,929,190	6,915	1,514,600
Unclassified	13,685	2,737,000	1,753	175,300
Total	586,593	94,751,215	1,173,325	119,857,512

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals, etc	43,960	$12,854,300	.....	.....	79,790	$21,734,000
Vegetables, etc	593,399	101,659,600	.....	.....	1,156,104	205,498,615
Other vegetables	3,109	108,225	.....	.....	12,884	7,257,127
Textiles	150	68,700	.....	.....	84,925	24,662,590
Wood and paper	37,347	1,517,060	.....	.....	78,668	2,776,410
Nonmetallic minerals	1,855,338	22,584,467	.....	.....	2,682,652	52,730,927
Ores	81,781	10,856,045	.....	.....	158,766	29,039,055
Machinery	.....	.....	.....	.....	70,842	14,202,400
Chemicals	3,975	397,500	.....	.....	38,917	3,841,290
Unclassified	411,459	41,145,900	3,592,278	$359,227,800	4,019,175	403,286,000
Total	3,030,527	191,191,787	3,592,278	359,227,800	8,382,723	765,028,314

	Freight. (short tons).	Value.	Passengers.	Automobiles.	Teams.	Motor cycles.
General ferry	256,146	Unknown.	48,870,951	718,740	203,602	6,460
Car ferry	7,310,691	Unknown.	.....	.....	.....	.....

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HARBOR AT SAN FRANCISCO, CALIF.—continued.

Vessel classification, 1921.

Classes.	Total number of trips.	Total net registered tonnage.
Foreign steamers in foreign trade	247	895,854
Foreign sailing in foreign trade	8	12,669
American steamers in foreign trade	327	1,049,986
American sailing in foreign trade	64	62,323
Steamers, other than coast	484	1,906,229
Sailing, other than coast	36	53,242
Coastwise steamers	5,022	4,224,586
Bay and river steamers	6,150	5,450,749
Total	12,338	13,655,618

Passengers, 52,307,717.

REDWOOD CREEK, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1917	[1] 24,271	$964,440	1920	28,568	$1,169,042
1918	[1] 8,192	1,130,740	1921	15,143	840,509
1919	12,048	665,395			

[1] Exclusive of commerce below West Point Slough, amounting to about 5,000 or 6,000 tons annually.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS.						*Miles.*	
Animals and animal products			1,804		$396,060		
Codfish [1]	1,136			$227,100		2,500	$0.05
Tallow		63		4,949		26	.051
Hides		605		164,011		21	.051
Vegetable food products			921		26,482		
Hay		832		20,800		143	.024
Potatoes		6		300		26	.051
Sugar		83		5,382		26	.051
Other vegetable products			507		41,702		
Quebracho		367		35,419		26	.051
Spruce extract		121		4,034		26	.051
Yocum bleach filler		19		2,249		26	.051
Wood and paper: Lumber		246	246	4,573	4,573	26	.051
Nonmetallic minerals			3,263		42,926		
Fuel oil	2,580	141		29,486		29	(2)
Gasoline		22		1,815		26	(2)
Distillate		53		3,175		26	(2)
Lubricating oil		12		454		25	(2)
Compound and oil		32		5,720		45	.051
Salt		363		2,276		26	(2)
Chemicals: Barium chloride		40	40	2,717	2,717	26	.051
Unclassified: Mess supplies		90	90	14,400	14,400	26	(2)
Total	3,716	3,095	6,811		528,860		
SHIPMENTS.							
Animals and animal products			1,390		278,742		
Codfish		933		271,616		26	(2)
Glue stock		457		7,126		26	.047
Vegetable food products: Hay		208	208	5,200	5,200	26	.076
Other vegetable products: Spent tan bark	5,582		5,582	17,744	17,744	20	.033
Textiles: Hair, cattle		37	37	1,440	1,440	26	.051
Nonmetallic minerals: Salt		1,115	1,115	8,523	8,523	26	(2)
Total	5,582	2,750	8,332		311,649		
Total receipts and shipments	9,298	5,845	15,143		840,509		

[1] Coastwise traffic. [2] No statistics available.

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HARBOR AT SAN FRANCISCO, CALIF.—continued.

SUMMARY.

	Coastwise.		Other domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	1,136	$227,100	2,058	$447,702	3,194	$674,802
Vegetable food products			1,129	31,682	1,129	31,682
Other vegetable products			6,089	59,446	6,089	59,446
Textiles			37	1,440	37	1,440
Wood and paper			246	4,573	246	4,573
Nonmetallic minerals			4,318	51,449	4,318	51,449
Chemicals			40	2,717	40	2,717
Unclassified			90	14,400	90	14,400
Total	1,136	227,100	14,007	613,409	15,143	840,509

Vessel classification, 1921.

Classes.	Number of trips.	Total net registered tonnage.	Classes.	Number of trips.	Total net registered tonnage.
Gasboats	250	7,965	Lighters	3	230
Steamers	6	608	Towboats	30	230
Schooners	4	1,225			
Barges	27	1,903	Total	320	12,171

OAKLAND HARBOR, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1917	3,025,279	$453,941,850	39,866,606	1920	[1]1,716,332	[1]$132,653,552	43,103,849
1918	2,680,797	170,591,866	39,331,331	1921	[1]1,945,422	[1]113,964,997	41,625,502
1919	2,344,098	177,637,302	42,061,360				

[1] Exclusive of general ferry and car ferry traffic.

[Navigation season, continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products		3,753		$1,366,495
Salmon, canned	3,641		$1,365,375	
Shells, oyster	112		1,120	
Vegetable food products		84,415		9,618,285
Barley	5,155		139,185	
Coconut oil	9,640		2,169,000	
Copra	69,620		7,310,100	
Wood and paper: Lumber	642	642	12,840	12,840
Nonmetallic minerals		143,500		2,050,849
Coal	134,251		1,611,012	
Sand	1,109		277	
Sulphur	8,140		439,560	
Ores, metals, and manufactures of		1,900		88,740
Pig iron	1,828		82,260	
Iron pipe	72		6,480	
Chemicals: Nitrate of soda	2,451	2,451	171,570	171,570
Unclassified	2,145	2,145	429,000	429,000
Total		238,806		13,737,779

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OAKLAND HARBOR, CALIF.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Vegetable food products		58,628		$1,695,168
Barley	57,244		$1,545,588	
Fruits, canned	530		132,500	
Hay	854		17,080	
Wood and paper: Lumber	120	120	2,400	2,400
Nonmetallic minerals		1,583		17,063
Coal	450		5,400	
Fuel oil	933		10,263	
Salt	200		1,400	
Ores, metals, and manufactures of		1,714		317,600
Copper matte	1,534		306,800	
Steel	180		10,800	
Chemicals: Niter	448	448	29,120	29,120
Unclassified	3,668	3,668	733,600	733,600
Total		66,161		2,794,951
Total imports and exports		304,967		16,532,730

DOMESTIC.

Classes and commodities.	Amount in short tons.			Value.	
	By commodities.		By classes.	By commodities.	By classes.
	Bulk.	Package.			
RECEIPTS.					
Vegetable food products			234,331		$17,150,030
Barley		12,408		$335,016	
Corn		3,183		101,856	
Feed		1,226		34,328	
Rice		343		24,010	
All other grain		37,842		1,135,260	
Hay		1,623		32,460	
Flour		2,774		249,660	
Fruits and vegetables, fresh		145,292		12,349,820	
Canned goods		270		54,000	
Molasses [1]		5,169		413,520	
Sugar [1]		24,201		2,420,100	
Other vegetable products: Starch		53	63	5,724	5,724
Wood and paper			340,649		7,035,959
Brick	2,658			15,948	
Crossties [1]	30,049			901,470	
Lath and shingles [1]		140		3,080	
Lumber [1]	288,447			5,768,940	
Piling [1]	623			9,345	
Poles [1]	18,732			337,176	
Nonmetallic minerals			652,637		5,953,535
Cement		2,101		31,515	
Coal	1,055			12,660	
Gravel	43,415			21,708	
Rock	98,012			196,024	
Sand	102,278			25,570	
Stone	34,263			85,658	
Salt		3,232		22,624	
Fuel oil	339,721			3,736,931	
Lubricating oil products		614		62,968	
Refined oil		12,260		735,600	
Refined oil products	15,686			1,022,277	
Ores, metals, and manufactures			8,609		820,254
Steel [1]	6,331			341,874	
Tin plate		2,278		478,380	
Machinery and vehicles: Machinery		19,922	19,922	11,953,200	11,953,200
Chemicals			227		27,535
Niter		112		7,280	
Dried blood		51		5,355	

[1] Reported as coastwise traffic.

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OAKLAND HARBOR, CALIF.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons. By commodities. Bulk.	Amount in short tons. By commodities. Package.	Amount in short tons. By classes.	Value. By commodities.	Value. By classes.
RECEIPTS—continued.					
Chemicals—Continued.					
Explosives		14		$4,900	
Alcohol		50		10,000	
Unclassified	372	221,798	222,170	44,434,000	$44,434,000
Total	981,642	496,956	1,478,598		87,380,237
SHIPMENTS.					
Animals and animal products: Canned salmon		447	447	167,625	167,625
Vegetable food products			11,315		420,521
Barley		8,915		240,705	
Feed		1,692		47,376	
Flour		31		2,790	
Fruits and vegetables, fresh		240		20,400	
Fruits, canned		437		109,250	
Wood and paper			2,572		56,480
Lumber	2,236			44,720	
Piling	336			11,760	
Nonmetallic minerals			109,705		1,964,834
Cement		3,708		55,620	
Coal	47,401			568,812	
Fuel oil	46,802			514,822	
Refined oil	11,794			825,580	
Ores, metals, and manufactures: Nails		51	51	3,060	3,060
Machinery and vehicles: Machinery [2]		337	337	204,750	204,750
Chemicals			2,095		167,760
Niter		1,212		78,780	
Explosives	19			28,500	
Nitrate	864			60,480	
Unclassified	372	34,963	35,335	7,067,000	7,067,000
Total	109,824	52,033	161,857		10,052,030
Total receipts and shipments	1,091,466	548,989	1,640,455		97,432,267

FERRY TRAFFIC.

	Freight (short tons).	Value.	Passengers.	Automobiles.	Motorcycles.	Teams.
General ferry traffic	224,501	Unknown.	41,625,502	549,380	3,647	201,765
Railroad car ferry traffic	972,655	Unknown.				
Total	1,197,156		41,625,502	549,380	3,647	201,765

SUMMARY.

Classes and commodities.	Foreign. Imports. Tons.	Foreign. Imports. Value.	Foreign. Exports. Tons.	Foreign. Exports. Value.
Animals and animal products	3,753	$1,366,495	58,628	$1,695,168
Vegetable food products	84,415	9,618,285		
Wood and paper	642	12,840	120	2,400
Nonmetallic minerals	143,500	2,050,849	1,583	17,063
Ores, metals, and manufactures of	1,900	88,740	1,714	317,600
Chemicals	2,451	171,570	448	29,120
Unclassified	2,145	429,000	3,668	733,600
Total	238,806	13,737,779	66,161	2,794,951

[2] 155 tons reported as coastwise traffic.

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OAKLAND HARBOR, CALIF.—continued.

SUMMARY—Continued.

Classes and commodities.	Domestic.				Total, foreign and domestic.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			447	$167,625	62,838	$3,229,28[illegible]
Vegetable food products	29,370	$2,833,620	216,276	14,736,931	330,061	27,188,836
Other vegetable products			53	5,724	53	5,724
Wood and paper	337,991	7,020,011	5,230	72,428	343,983	7,107,679
Nonmetallic minerals			762,342	7,918,369	907,425	9,986,281
Ores, metals, and manufactures	6,331	341,874	2,529	481,440	12,274	1,229,654
Machinery and vehicles	155	36,400	20,104	12,121,550	20,259	12,157,950
Chemicals			2,322	195,295	5,221	395,985
Unclassified			257,505	51,501,099	263,318	52,663,600
Total	373,847	10,231,905	1,266,608	87,209,362	1,945,422	113,984,997

General ferry, 224,501 short tons; 41,625,502 passengers; 549,380 automobiles; 3,647 motor cycles; 201,765 teams. Car ferry, 972,655 short tons.

Vessel classification, 1921.

Classes.	Total number of trips.	Total net registered tonnage.	Classes.	Total number of trips.	Total net registered tonnage.
Steamers, foreign	55	206,288	Barges	1,914	359,932
Steamers, all other, except river	1,448	722,874	River steamers	8	3,223
Motor ships, foreign	8	27,085	Schooners, foreign	3	1,603
Motor ships, all other	13	23,595	Schooners, all other	7	420
Sailing, foreign	20	22,281	Towboats	894	10,33[illegible]
Sailing, all other	17	16,510	Total	5,592	1,439,394
Gas boats	1,205	45,245			

RICHMOND HARBOR, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1917 [1]	2,759,538	$31,077,234	1920 [2]	55,480	$22,348,434
1918 [1]	2,076,116	33,766,420	1921 [3]	[3] 18,880	[3] 3,170,423
1919 [2]	36,707	5,736,102			

[1] Includes commerce of Richmond outer harbor.
[2] Exclusive of commerce of Richmond outer harbor.
[3] In addition to the above there was considerable traffic handled over wharves located near the entrance and north of Richmond Harbor, amounting to 336,530 tons of foreign freight, valued at $17,676,410, and 2,360,348 tons of domestic freight, valued at $38,540,467, making a total of 2,696,878 tons of freight, valued at $56,216,877, in 1921.

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RICHMOND HARBOR, CALIF.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS.					
Vegetable food products			2,191		$170,254
Hay		1,200		$18,000	
Canned fruits and vegetables		991		152,254	
Nonmetallic minerals: Sand and rock	2,000		2,000	4,000	4,000
Unclassified			6,812		2,013,891
Clothing, shoes, blankets		236		698,691	
General merchandise		6,576		1,315,200	
Total	2,000	9,003	11,003		2,188,145
SHIPMENTS.					
Vegetable food products			5,839		676,578
Canned fruits and vegetables		5,613		631,378	
All other		226		45,200	
Wood and paper: Various products		2,038	2,038	305,700	305,700
Total		7,877	7,877		982,278
Total receipts and shipments	2,000	16,880	18,880		3,170,423

SUMMARY.

Classes of commodities.	Tons.	Value.
Vegetable food products	8,030	$846,832
Wood and paper	2,038	305,700
Nonmetallic minerals	2,000	4,000
Unclassified	6,812	2,013,891
Total	18,880	3,170,423

Vessel classification, 1921.

Classes.	Total number of trips.	Total net registered tonnage.	Classes.	Total number of trips.	Total net registered tonnage.
Steamers	2	4,905	Towboats	39	990
Gas boats	610	17,692	Gasoline launches	57	621
Barges	42	4,500	River steamers	1	350
Lighters	15	3,690			
Scows	15	1,200	Total	781	33,948

SAN PABLO BAY AND MARE ISLAND STRAIT, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1917	[1] 11,531,518	$190,415,982	704,414	1920	[2] 1,302,778	$36,503,808	1,040,625
1918	[1] 3,998,014	128,909,637	1,014,895	1921	[3] 1,755,327	83,920,595	
1919	[1] 4,321,904	164,059,377	1,013,378				

[1] Does not include traffic on Mare Island Strait.

[2] The traffic of Carquinez Strait, reported separately for 1920, was included in San Pablo Bay report before that year.

[3] Does not include 1,720,479 tons of freight pertaining to Carquinez Strait. Increase due to large automobile traffic carried back and forth over this improvement.

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SAN PABLO BAY AND MARE ISLAND STRAIT, CALIF.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Vegetable food products: Wheat	4,947	4,947	$207,774	$207,774
EXPORTS.				
Vegetable food products: Flour	9,600	9,600	864,000	864,000
Nonmetallic minerals: Fuel oil	28,000	28,000	364,000	364,000
Total		37,600		1,228,000
Total imports and exports		42,547		1,435,774

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS.						*Miles.*	*Cents.*
Animals and animal products:							
Live stock		36	36	$14,400	$14,400	30	
Vegetable food products:							
Wheat [1]		3,976	3,976	66,992	66,992	835	
Wood and paper: Lumber		190	190	4,750	4,750	30	
Nonmetallic minerals			795,374		10,762,174		
Petroleum, crude [1]	709,981			8,651,023		200	
Petroleum, topped [1]	46,434			1,997,180		200	
Fuel oil	5,861			54,430			
Crushed rock	24,223			48,446		14	
Sand	8,875			11,095		14	
Machinery and vehicles: Automobiles and vehicles		17,221	17,221	17,221,000	17,221,000	30	
Chemicals			3,834		205,689	20	
Nitrate of soda		2,878		130,910		25	0.04
Nitrate of ammonia		282		37,571		25	.04
Ammonium perchlorate		571		16,000		17	.13
Glycerine		103		21,208		17	.13
Unclassified			54,930		10,986,000	30	.08
General merchandise		49,224		9,844,800			
All other	3,691	2,015		1,141,200			
Total	799,065	76,496	875,561	39,261,005	39,261,005		
SHIPMENTS.							
Animals and animal products:							
Live stock		32	32	12,200	12,200	30	
Wood and paper: Lumber		20	20	500	500		
Nonmetallic minerals			775,444		17,870,506		
Gasoline and other light products	120,911	745		8,749,458			
Illuminating oil	11,621	211		510,956			
Fuel oil	633,260	377		8,107,669			
Lubricating oil	12	3,879		399,375			
Lubricating grease		399		36,413			
Asphalt and road oil	211	3,818		66,635			
Machinery and vehicles: Automobiles and vehicles		16,036	16,036	16,036,000	16,036,000	30	
Chemicals			3,108		788,810		
Dynamite		1,130		349,775			
High explosives		1,277		336,215		25	.08
Powder		637		89,864		22	.10
Glycerine		35		5,352		17	.13
Ammonium perchlorate		29		7,604		17	.13
Unclassified			42,579		8,515,800		
General merchandise		32,877		6,575,400		30	
All other		9,702		1,940,400			
Total	766,015	71,204	837,219		43,223,816		
Total receipts and shipments	1,565,080	147,700	1,712,780		82,484,821		

[1] Coastwise traffic.

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SAN PABLO BAY AND MARE ISLAND STRAIT, CALIF.—continued.

FERRY TRAFFIC.

	Short tons.	Value.	Passengers.	Automobiles.	Motor cycles.	Teams.
General ferry [1]	24,888	$1,200,000	2,750,268	377,636	6,649	289

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Vegetable food products	4,947	$207,774	9,600	$864,000
Nonmetallic minerals			28,000	364,000
Total	4,947	207,774	37,600	1,228,000

Classes of commodities.	Coastwise.		Other domestic.		Total foreign and domestic.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			68	$26,600	68	$26,600
Vegetable food products	3,976	$66,992			18,523	1,138,766
Wood and paper			210	5,250	210	5,250
Nonmetallic minerals	756,415	10,648,203	814,403	17,984,477	1,598,818	28,996,680
Machinery and vehicles			33,257	33,257,000	33,257	33,257,000
Chemicals			6,942	994,499	6,942	994,499
Unclassified			97,509	19,501,800	97,509	19,501,800
Total [2]	760,391	10,715,195	952,389	71,769,626	1,755,327	83,920,595

[1] In addition there were 2,003,699 tons of freight, 1,485,585 passengers, 156,929 automobiles, 3,594 motor cycles, and 272 teams pertaining to Carquinez Strait carried over general ferry and railroad car ferry on that waterway.

[2] Does not include 1,720,479 tons of freight pertaining to Carquinez Strait. Increase due to large automobile traffic carried back and forth over this improvement.

Vessel classification, 1921.

Classes.	Total number of trips.	Total net registered tonnage.
Steamers, bay [1]	4,415	4,387,510
Steamers, various	511	712,505
Steamers, river	96	52,699
Motor ships	345	59,170
Gas boats	328	4,156
Barges	382	151,980
Lighters	517	119,235
Towboats	166	15,319
Gas launches	256	2,060
Total	7,016	5,504,634

[1] Operating on regular schedules between San Francisco and San Pablo Bay and Mare Island Strait points.

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SUISUN BAY CHANNEL, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.
1919	288,233	$6,849,546
1920	302,223	12,083,260
1921	519,532	19,271,264

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS.							
Animals and animal products:						*Miles.*	
Fish	625		625	$112,500	$112,500	15	
Vegetable food products			428		26,623		
Hay		10		200			
Flour		169		15,210			
Grapes		30		3,000			
Potatoes		219		8,213			
Other vegetable products:							
Crude rubber		124	124	45,751	45,751	53	$0.05
Textiles: Yarn and duck		307	307	184,106	184,106		
Wood and paper			247,144		4,460,522	350	
Wood [1]	856			2,782			
Logs [1]	4,762			179,718			
Piling [1]	150			3,000			
Lath [1]		3,936		86,592			
Shingles [1]		1,031		25,568			
Lumber [1]	236,409			4,162,862			
Nonmetallic minerals			21,415		216,760	41	
Petroleum products	16,106	892		165,960			
Fuel oil	4,107			45,450			
Brick	310			5,360			
Ores and metals, and manufactures of: Steel billets	4,500		4,500	135,000	135,000	40	
Machinery and vehicles: Machinery and equipment		63	63	63,000	63,000	53	.05
Chemicals: Rubber compounds and chemicals		146	146	58,350	58,350	53	.05
Unclassified			6,521		276,260		
General merchandise		4,698		93,960			
All other [2]		1,823		182,300			
Total	267,825	13,448	281,273		5,578,872		
SHIPMENTS.							
Vegetable food products			210		19,120		
Flour		188		16,920			
Produce		22		2,200			
Other vegetable products			1,112		1,793,407	53	.05
Reclaimed rubber		180		53,820			
Manufactured rubber goods		932		1,739,587			
Wood and paper			49,500		1,229,967	40	
Logs	4,510			175,890			
Lumber	42,858			771,444			
Lumber manufactured products		400		217,350			
Lath		1,411		31,042			
Shingles		171		4,241			
Patterns		150		30,000			
Nonmetallic minerals			179,408		9,466,848	40	
Petroleum products	115,951	12,729		9,007,600			
Fuel oil	50,728			459,248			
Ores, metals and manufactures of			3,950		367,250	45	
Steel bars	2,210			121,550			
Steel castings	1,070			205,500			
Steel, rolled	670			40,200			
Unclassified			4,079		815,800		
General merchandise		3,298		659,600			
All other [3]		781		156,200			
Total	217,997	20,262	238,259		13,692,392		
Total receipts and shipments	485,822	33,710	519,532		19,271,264		

[1] Coastwise traffic. [2] 31 tons reported as coastwise traffic. [3] 643 tons reported as coastwise traffic.

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SUISUN BAY CHANNEL, CALIF.—continued.

FERRY TRAFFIC.

	Short tons.	Passengers.	Automobiles and teams.
Railroad car ferry traffic	91,473	266,613	None.

SUMMARY.

Classes of commodities.	Coastwise.		Other domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			625	$112,500	625	$112,500
Vegetable food products			638	45,743	638	45,743
Other vegetable products			1,236	1,839,158	1,236	1,839,158
Textiles			307	184,106	307	184,106
Wood and paper	247,144	$4,460,522	49,500	1,229,967	296,644	5,690,489
Nonmetallic minerals			200,823	9,683,608	200,823	9,683,608
Ores, metals, and manufactures of			8,450	502,250	8,450	502,250
Machinery and vehicles			63	63,000	63	63,000
Chemicals			146	58,350	146	58,350
Unclassified	674	125,000	9,926	967,060	10,600	1,092,060
Total	247,818	4,585,522	271,714	14,685,742	519,532	19,271,264

Car ferry, short tons, 91,473; passengers, 266,613.

Vessel classification, 1921.

Classes.	Total number of trips.	Total net registered tonnage.	Classes.	Total number of trips.	Total net registered tonnage.
River steamers[1]	3,188	2,059,230	Motor ships	57	4,985
Steamers, various	174	286,313	Gasoline launches	22	220
Gas boats	778	56,446			
Barges	511	144,165	Total	5,096	2,555,859
Towboats	366	4,500			

[1] Operating on regular schedule between San Francisco and interior points.

SUISUN CHANNEL, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1917	62,842	$1,231,670	1920	71,207	$844,086
1918	44,527	445,270	1921	42,016	398,405
1919	16,731	184,041			

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
UPBOUND, INTERNAL.						*Miles.*
Nonmetallic minerals			42,016		$398,405	
Fuel oil	41,806			$385,230		45
Gasoline		93		6,733		30
Kerosene		17		844		30
Distillate		84		4,339		30
Stove oil		6		162		30
Lubricating oil		10		1,097		30
Total	41,806	210	42,016		398,405	

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SUISUN CHANNEL, CALIF.—continued.

Vessel classification, 1921.

Classes.	Total number of trips.	Total net registered tonnage.
Motor ships	9	450
Barges	58	23,398
Gasoline towboats	58	754
Total	125	24,602

NAPA RIVER, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1917	130,093	$2,981,602	1920	111,118	$1,054,726
1918	93,634	2,479,095	1921	90,151	766,858
1919	76,667	2,318,922			

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
UPBOUND.						*Miles.*
Animals and animal products			176		$56,950	45
Cattle		2		$400		
Hides		174		56,550		
Vegetable food products			1,465		49,240	45
Bran		25		750		
Corn		91		2,912		
Mill feed		235		7,050		
Oats		3		93		
Straw		70		50		
Hay		887		13,305		
Potatoes		74		2,960		
Fruit and vegetables, fresh		18		1,530		
Flour		30		2,700		
Sirup		17		2,890		
Neat's-foot oil		15		15,000		
Wood and paper			227		6,190	45
Boxes and empty casks		110		3,300		
Paper and cardboard		10		750		
Lumber	107			2,140		
Nonmetallic minerals			7,080		437,885	45
Bottles, empty		35		1,750		
Brick	250			1,400		
Lime		5		125		
Coal		4		80		
Distillate, stove		14		1,113		
Distillate, engine	274			14,275		
Gasoline	4,410			373,105		
Kerosene	200	30		10,350		
Rock, crushed	1,499			2,998		
Lubricating oil, grease		158		31,282		
Salt		201		1,407		
Ores, metals, and manufactures of			46		4,080	45
Iron pipe		44		3,960		
Nails		2		120		
Chemicals			9		1,482	45
Soda bicarbonate		4		232		
Sulphuric acid		2		100		
Paints		3		1,150		
Unclassified		367	367	73,400	73,400	45
Total	6,740	2,630	9,370		629,227	

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NAPA BAY, CALIF.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
DOWN BOUND.						*Miles.*
Animals and animal products			138		$31,500	45
Animals		9		$2,250		
Hides		77		25,025		
Eggs		1		400		
Tallow		51		3,825		
Vegetable food products			553		30,187	45
Fruits and vegetables, fresh		24		2,020		
Hay		195		4,095		
Neat's-foot oil		8		8,000		
Grape juice		199		13,532		
Mineral water		127		2,540		
Textiles: Wool		28	28	20,400	20,400	45
Nonmetallic minerals: Gravel	79,988		79,988	39,994	39,994	45
Ores, metals, and manufactures of: Iron junk		5	5	150	150	45
Machinery and vehicles: Automobiles		2	2	2,000	2,000	45
Unclassified		67	67	13,400	13,400	45
Total	79,988	793	80,781		137,631	
Total upbound and down bound	86,728	3,423	90,151		766,858	

SUMMARY.

Classes of commodities.	Tons.	Value.	Classes of commodities.	Tons.	Value.
Animals and animal products	314	$88,450	Machinery and vehicles	2	$2,000
Vegetable products	2,018	79,427	Chemicals	9	1,482
Textiles	28	20,400	Unclassified	434	86,900
Wood and paper	227	6,190	Total	90,151	766,858
Nonmetallic minerals	87,068	477,879			
Ores, metals, and manufactures of	51	4,230			

Vessel classification, 1921.

Classes.	Total number of trips.	Total net registered tonnage.
Steamers	6	854
Gas boats	94	3,196
Barges	354	62,875
Tug boats	317	2,522
Total	771	69,447

PETALUMA CREEK, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1917	284,423	$19,194,642	1,761	1920	281,616	$17,061,972	939
1918	238,178	20,817,591	1,716	1921	173,414	11,490,083	803
1919	235,208	18,093,925	1,483				

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PETALUMA CREEK, CALIF.—continued.

[Navigation season; continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND.						*Miles.*	
Animals and animal products			8,771		$599,440	30	$0.075
Cattle		10		$2,000			
Horses		473		18,920			
Meats, smoked		179		125,300			
Other meats		252		75,600			
Milk		121		15,125			
Butter		13		10,400			
Cheese		114		57,000			
Fish, fresh		79		15,800			
Lard and other greases		144		72,000			
Hides, cattle		461		80,675			
Leather, sole		68		53,040			
Leather, manufactures		5		5,000			
Gluestock		10		160			
Shells	6,842			68,420			
Vegetable food products			66,229		2,727,343	30	.075
Barley		4,134		107,484			
Bran and middlings		1,999		69,965			
Corn		5,959		196,647			
Oats		1,703		52,793			
Rice		482		33,740			
Wheat		8,296		348,432			
Poultry food		4,484		224,200			
Mill feed		22,578		632,184			
Hay		7,311		146,220			
Flour		6,256		563,040			
Beans, dried		190		19,000			
Vegetables, fresh		672		57,120			
Potatoes		89		3,338			
Onions		115		8,050			
Vegetables, canned		41		7,380			
Fruit, fresh		548		54,800			
Fruit, canned and dried		36		9,000			
Sugar		353		88,250			
Beverages		148		22,200			
All other vegetable food products		835		83,500			
Other vegetable products			483		709,225	30	.075
Rubber		55		17,875			
Drugs		219		109,500			
Seeds		65		5,850			
Tobacco		144		576,000			
Textiles			69		98,000		
Cotton goods and dry goods		5		2,000			
Silk		64		96,000			
Wood and paper			24,116		576,909		
Lumber	23,081			461,620			
Wood	301			1,204			
Shooks		21		840			
Furniture		38		13,300			
Paper		588		88,200			
Roofing material		87		11,745			
Nonmetallic minerals			26,745		439,816		
Coal	196			2,940			
Petroleum products		38		1,520			
Lubricating oil		535		45,475			
Fuel oil	13,300			133,000			
Gasoline		1,593		119,475			
Kerosene		172		7,740			
Lubricating grease		17		1,530			
Engine distillate		266		13,300			
Stove distillate		123		9,840			
Rock	5,535			11,070			
Asphalt	73			1,460			
Stone		30		1,500			
Brick	1,435			8,610			
Sand	2,100			1,050			

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PETALUMA CREEK, CALIF.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND—continued.							
Nonmetallic minerals—contd.						*Miles.*	
Cement		61		$976			
Lime		271		6,775			
Glass and products		135		67,500			
Salt		865		6,055			
Ores, metals, and manufactures of			2,943		$561,560	30	$0.075
Iron		102		4,590			
Steel		139		8,340			
Brass		33		6,600			
Lead		26		5,200			
Pipe		450		40,500			
Wire		241		24,100			
Nails		83		4,980			
Hardware		1,869		467,250			
Machinery and vehicles			1,025		743,600	30	.075
Electrical machinery		173		103,800			
Construction machinery		328		196,800			
Agricultural machinery		93		37,200			
Automobiles		395		395,000			
Vehicles		36		10,800			
Chemicals			146		35,495	30	.075
Ammunition		8		4,000			
Fertilizer		23		1,495			
Paint		74		25,900			
Soap		41		4,100			
Unclassified			9,878		1,975,600	30	.075
Merchandise and groceries		9,636		1,927,200			
All other unclassified		242		48,400			
Total	52,863	87,542	140,405		8,466,988		
DOWN BOUND.							
Animals and animal products			3,776		2,029,796	30	.075
Cattle		50		10,000			
Horses		108		25,750			
Poultry		1,292		646,000			
Eggs		138		55,200			
Milk		416		52,000			
Butter		1,831		1,064,800			
Cheese		223		111,500			
Tallow		16		1,216			
Hides, cattle		146		25,550			
Leather, sole		39		30,420			
Leather, manufactures		6		6,000			
Gluestock		10		160			
Other animal products	6			1,200			
Vegetable food products			6,129		390,599	30	.075
Barley		202		5,252			
Corn		273		9,009			
Oats		33		1,023			
Rice		2		140			
Wheat		150		6,300			
Poultry food		855		42,750			
Mill feed		449		12,572			
Hay		950		19,000			
Flour		542		48,780			
Beans, dried		5		500			
Vegetables, fresh		971		82,535			
Potatoes		383		14,363			
Fruit, fresh		1,018		101,800			
Fruit, canned and dried		29		6,525			
Beverages		267		40,050			
Other vegetable products			17		1,450	30	.075
Drugs		2		1,000			
Tan bark		15		450			
Textiles			137		176,100	30	.075
Wool		42		33,600			
Silk		95		142,500			

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PETALUMA CREEK, CALIF.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
DOWN BOUND—continued.						*Miles.*	
Wood and paper			507		$37,510		
Lumber	15			$300			
Shooks		369		14,760			
Shingles		20		7,000			
Paper		103		15,450			
Nonmetallic minerals			20,948		36,385	30	$0.075
Coal	3			45			
Gasoline		61		4,575			
Rock	878			1,756			
Crushed rock	20,006			30,009			
Ores and metals and manufactures of			155		9,790		
Iron		130		5,850			
Pipe		6		540			
Wire		9		900			
Hardware		10		2,500			
Machinery and vehicles			125		94,500		
Electrical machinery		7		4,200			
Construction machinery		47		28,200			
Agricultural machinery		9		3,600			
Automobiles		57		57,000			
Vehicles		5		1,500			
Chemicals: Fertilizer		10	10	6,500	6,500		
Unclassified			1,205		240,465		
General merchandise		1,200		240,000			
Miscellaneous		5		465			
Total	20,908	12,101	33,009		3,023,095		
Total upbound and downbound	73,771	99,643	173,414		11,490,083		

SUMMARY.

Classes of commodities.	Tons.	Value.	Classes of commodities.	Tons.	Value.
Animals and animal products	12,547	$2,629,236	Ores, metals, and manufactures of	3,098	$571,350
Vegetable food products	72,358	3,117,942	Machinery and vehicles	1,150	338,100
Other vegetable products	500	710,675	Chemicals	156	41,995
Textiles	206	274,100	Unclassified	11,083	2,216,065
Wood and paper	24,623	614,419			
Nonmetallic minerals	47,693	476,201	Total	173,414	11,490,083

Vessel classification, 1921.

Classes.	Total number of trips.	Total net registered tonnage.	Passengers.
Steamers	443	107,461	803
Gas boats	169	6,368	
Sailing boats	15	675	
Barges	357	56,367	
Total	984	170,871	803

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SAN RAFAEL CREEK, CALIF.

Comparative statement of traffic.

This project having been but recently adopted, no statistics have been collected for previous years.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND, INTERNAL.						*Miles.*	
Vegetable food products			1,200		$22,800		
Hay		1,100		$19,800		100	$0.03
All other		100		3,000		100	.025
Wood and paper: Lumber	476		476	11,900	11,900	20	(1)
Nonmetallic minerals			31,651		324,165		
Fuel oil	5,834			58,340		22	(1)
Gasoline	2,541	56		184,387		22	(1)
Engine distillate	294	12		15,606		22	(1)
Stove distillate		100		8,000		22	(1)
Kerosene		109		4,905		22	(1)
Lubricating oils		67		6,432		22	(1)
Lubricating greases		3		720		22	(1)
Crushed rock	16,920			31,865		7	.063
Sand	4,090			4,160		63	(1)
Brick	1,625			9,750		4	.20
Total	31,780	1,547	33,327		358,865		
DOWN BOUND, INTERNAL.							
Unclassified		5	5	1,000	1,000	22	(1)
Total upbound and down bound	31,780	1,552	33,332		359,865		

SUMMARY.

Classes of commodities.	Tons.	Value.
Vegetable food products	1,200	$22,800
Wood and paper	476	11,900
Nonmetallic minerals	31,651	324,165
Unclassified	5	1,000
Total	33,332	359,865

[1] No statistics available.

Vessel classification 1921.

Classes.	Total number of trips.	Total net registered tonnage.
Schooners, scow	12	720
Gas boats	6	180
Barges	141	14,030
Lighters	50	5,615
Towboats	227	2,583
Total	436	26,128

[1] No statistics available.

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MONTEREY HARBOR, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1917	248,398	$8,710,910	1920	363,919	$7,638,260
1918	197,168	8,331,500	1921	315,675	4,439,424
1919	173,871	6,570,347			

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INBOUND, COASTWISE.							
Animals and animal products: Fish, oil, cheese, meats, lard		67	67	$10,578	$10,578	*Miles.* 100	$0.05
Vegetable food products: Grain, groceries, vegetable oils		2,104	2,104	173,650	173,650	100	.05
Other vegetable products: Drugs, tobacco, rubber, tan bark		15	15	2,995	2,995	100	.05
Textiles: Cordage, dry goods		43	43	8,380	8,380	100	.05
Wood and paper: Shooks, roofing paper, lumber, empty boxes and barrels		144	144	22,410	22,410	100	.05
Nonmetallic minerals: Lubricating oil, coal, lime, marble		61	61	3,145	3,145	100	.05
Ores, metals and manufactures of: Hardware, tin cans, pipe, wire, nails, iron		163	163	23,000	23,000	100	.05
Machinery and vehicles: Machinery		22	22	12,000	12,000	100	.05
Chemicals: Paint, soap		53	53	7,600	7,600	100	.05
Unclassified		16	16	1,850	1,850	100	.05
Total inbound		2,688	2,688		265,608		
OUTBOUND, COASTWISE.							
Animals and animal products: Fish, fish oil, shells, eggs		6,388	6,388	1,065,403	1,065,403	100	.05
Vegetable food products			197		13,429	100	.05
Apples		190		11,679			
Groceries		7		1,750			
Wood and paper: Shooks, empty fish boxes		97	97	16,978	16,978	100	.05
Nonmetallic minerals: Fuel oil		306,243	306,243	3,058,071	3,058,071	461	(1)
Ores, metals and manufactures of: Hardware, tanks		6	6	635	635	100	.05
Unclassified		56	56	19,300	19,300	100	.05
Total outbound		312,987	312,987		4,173,816		
Total inbound and outbound		315,675	315,675		4,439,424		

SUMMARY.

Classes of commodities.	Tons.	Value.	Classes of commodities.	Tons.	Value.
Animals and animal products	6,455	$1,075,981	Nonmetallic minerals	306,304	$3,061,216
Vegetable food products	2,301	187,079	Ores, metals, and manufactures of	169	23,635
Other vegetable products	15	2,995	Machinery and vehicles	22	12,000
Textiles	43	8,380	Chemicals	53	7,600
Wood and paper	241	39,388	Unclassified	72	21,150
			Total	315,675	4,439,424

[1] No statistics available.

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MONTEREY HARBOR AND BAY, CALIF.—continued.

Vessel classification, 1921.

	Number of trips.	Total net registered tonnage.
Steamers	88	153,117
Motor ships	88	4,840
Gas boats	3	90
Lighters	2	700
Gasoline fishing launches	59,002	290,330
Total	59,183	449,077

HUMBOLDT HARBOR AND BAY, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1917	463,901	$18,415,438	12,153	1920	245,539	$10,382,435	10,016
1918	305,073	14,180,067	2,252	1921	212,000	8,871,760	3,179
1919	420,453	13,834,185	12,395				

[Navigation season, continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Wood and paper: Lumber, railroad ties, and other forest products	15,032	15,032	$516,615	$516,615

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products: Horses		4	4	$750	$750
Nonmetallic minerals: Fuel oil		33,600	33,600	400,000	400,000
Machinery and vehicles: Automobiles		128	128	128,000	128,000
Unclassified: General merchandise		45,035	45,035	2,251,000	2,251,000
Total receipts		78,767	78,767		2,779,750
SHIPMENTS, COASTWISE.					
Animals and animal products			1,906		753,660
Horses		2		600	
Albumen		29		3,000	
Milk, condensed		1,116		311,000	
Milk, sugar		2		1,000	
Milk, dry		263		63,000	
Casein		20		3,000	
Butter		98		98,000	
Cheese		97		61,000	
Canned salmon		171		126,000	
Tallow		24		5,200	
Hides and pelts		59		72,700	
Leather		3		10,000	
Glue stock		22		4,100	

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HUMBOLDT HARBOR AND BAY, CALIF.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS, COASTWISE—continued.					
Vegetable food products			51		$5,545
Oats		6		$220	
Beans		3		350	
Potatoes		37		975	
Vetch		5		4,000	
Other vegetable products: Plants		24	24	28,965	28,965
Textiles			7		5,100
Wool		6		3,900	
Mohair		1		1,200	
Wood and paper			112,542		4,366,385
Lumber, railroad ties, and other forest products	112,330			4,345,385	
Household goods		212		21,000	
Machinery and vehicles: Automobiles		31	31	62,000	62,000
Unclassified			3,640		353,800
General merchandise		3,562		338,200	
Empty tanks, drums, boxes		78		15,600	
Total shipments	112,330	5,871	118,201		5,575,395
Total receipts and shipments	112,330	84,638	196,968		8,355,145

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic, coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			1,910	$754,350	1,910	$754,350
Vegetable food products			51	5,545	51	5,545
Other vegetable products			24	28,965	24	28,965
Textiles			7	5,100	7	5,100
Wood and paper	15,032	$516,615	112,542	4,366,385	127,574	4,883,000
Nonmetallic minerals			33,600	400,000	33,600	400,000
Machinery and vehicles			159	190,000	159	190,000
Unclassified			48,675	2,604,800	48,675	2,604,800
Total	15,032	516,615	196,968	8,355,145	212,000	8,871,760

Vessel classification, 1921.

Classes.	Total number of trips.	Total net registered tonnage.	Passengers.
Arrivals from domestic ports:			
Steamers	408	190,501	1,671
Sailing	3	2,305	
Total	411	192,806	1,671
Departures: [1]			
Steamers	405	190,788	1,508
Sailing	4	3,028	
Total	409	193,816	3,179

[1] To domestic ports, 391; to Hawaiian Islands, 5; to foreign ports, 13.

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CRESCENT CITY HARBOR, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.
1920	42,871	$1,518,320
1921	29,639	1,278,700

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Vegetable food products: Feedstuffs		1,836	1,836	$91,800	$91,800	*Miles.* 290	$0.017
Nonmetallic minerals: Petroleum products		697	697	34,850	34,850	290	.017
Unclassified		4,901	4,901	245,050	245,050	290	.017
Total		7,434	7,434		371,700		
SHIPMENTS, COASTWISE.							
Animals and animal products: Butter and cheese		526	526	315,600	315,600	290	.017
Wood and paper: Lumber	19,702		19,702	492,550	492,550	290	.024
Unclassified		1,977	1,977	98,850	98,850	290	.017
Total	19,702	2,503	22,205		907,000		
Total receipts and shipments	19,702	9,937	29,639		1,278,700		

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	526	$315,600
Vegetable food products	1,836	91,800
Wood and paper	19,702	492,550
Nonmetallic minerals	697	34,850
Unclassified	6,878	343,900
Total	29,639	1,278,700

Vessel classification, 1921.

Classes.	Total number of trips.	Total net registered tonnage.
Steamers	40	7,509
Gas boats	28	864
Total	68	8,373

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SAN FRANCISCO, CALIF., SECOND DISTRICT.

SAN JOAQUIN RIVER, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1880 [1]	[2] 305,093	(3)	(3)	1902	322,000	(3)	76,208
1883 [4]	[2] 432,250	(3)	(3)	1903	376,883	(3)	(3)
1884 [4]	[2] 442,950	(3)	(3)	1904	360,486	(3)	74,974
1885 [4]	664,370	(3)	(3)	1905	373,186	(3)	(3)
1886 [4]	470,475	(3)	(3)	1906	440,300	$18,293,401	(3)
1887 [4]	476,850	(3)	(3)	1907	736,472	25,374,699	(3)
1888	(3)	(3)	(3)	1908	509,233	21,716,334	50,000
1889 [4]	371,200	(3)	55,000	1909	773,945	31,275,925	110,000
1890 [4]	(3)	(3)	(3)	1910	631,681	32,878,108	125,000
1890 [5]	527,684	(3)	57,840	1911	600,128	35,768,215	100,556
1891 [5]	370,000	(3)	56,000	1912	632,591	38,854,539	107,667
1892 [5]	395,000	(3)	90,000	1913	820,399	38,341,174	207,249
1893 [5]	346,094	(3)	154,509	1914	772,156	35,479,741	189,667
1894 [5]	295,651	(3)	100,178	1915	881,224	36,358,240	218,915
1895 [5]	401,684	(3)	61,531	1916	824,222	42,179,160	182,486
1896 [5]	431,736	(3)	13,671	1917	1,890,856	50,367,760	206,131
1897 [6]	454,955	(3)	112,039	1918 [7]	2,114,382	65,204,825	236,379
1898	287,524	(3)	64,975	1919	647,156	54,100,043	221,259
1899	270,013	(3)	133,832	1920 [8]	692,306	42,203,211	[9] 242,238
1900	270,887	(3)	108,637	1921 [10]	646,657	37,263,122	206,783
1901	357,746	(3)	84,842				

[1] Period, Jan. 1 to Dec. 15, 1880.
[2] Stockton traffic only.
[3] No statistics available.
[4] For fiscal year ending June 30 of the year shown.
[5] For fiscal year ending May 31 of following year.
[6] Beginning with this year, statistics have been reported for the calendar year.
[7] Includes 1,348,146 tons of water, valued at $18,533.
[8] Includes 19,065 tons of water, valued at $1,922, and 2,596 tons of Government materials used in the work of the improvement, and valued at $125,450.
[9] Includes 27,075 passengers carried in ferry traffic.
[10] Includes 400 tons of Government materials used in the work of the improvement, and valued at $86,000

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Tonnage for which rates and distances hauled are available.	Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.			
INTERNAL, (A) UPSTREAM TO STOCKTON.								
Animals and animal products			1,075		$111,630		*Miles.*	
Fertilizers		621		$24,840				
Fish, fresh	187			28,050				
Horses		267		58,740		118	67	$0.116
Vegetable food products			118,080		4,843,544			
Barley		5,406		189,210		4,960	34	.067
Beans		4,489		359,120		4,250	38	.072
Celery		974		63,310		974	28	.067
Corn		20,471		511,775		15,882	32	.062
Flour		5,612		561,200		5,612	86	.020
Hay		1,129		15,806		275	102	.034
Mill feeds, miscellaneous		1,432		57,280		1,382	70	.029
Oats		1,919		86,355		1,919	88	.015
Onions		27,564		1,378,200		17,713	24	.108
Potatoes		48,705		1,607,265		42,160	30	.065
Wheat		379		14,023		379	35	.066
Textiles: Jute bags		589	589	88,350	88,350	394	88	.033
Wood and paper			3,983		113,670			
Lumber	1,940			52,380		1,940	95	.028
Do		2,043		61,290		1,567	78	.025

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SAN JOAQUIN RIVER, CALIF.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Tonnage for which rates and distances hauled are available.	Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.			
INTERNAL, (A) UPSTREAM TO STOCKTON—continued.							*Miles.*	
Nonmetallic minerals			116,169		$2,764,763			
Bricks	13,042			$91,294				
Coal oil	1,921			72,998				
Distillate	5,370			252,390				
Fuel oil	56,073			588,766		16,012	70	$0.021
Gasoline	18,602			1,357,946				
Lubricating oil	132			13,860				
Do		3,416		375,760		3,120	65	.022
Rock, crushed	2,613			5,749		1,188	80	.016
Sand, gravel	15,000			6,000				
Machinery and vehicles			1,720		1,188,650			
Automobiles		781		781,000		780	90	.117
Farm tractors		251		112,950		100	20	.330
Harvesters, reapers		216		97,200				
Machinery, except agricultural		362		181,000				
Wagons		110		16,500		102	90	.100
Unclassified			67,471		8,420,120			
General merchandise		66,554		8,319,250		66,218	90	.042
Other miscellaneous		917		100,870		375	95	.021
Total	114,880	194,207	309,087		17,530,727			

Classes and commodities.	Amount in short tons, by commodities (package).	Amount in short tons, by classes.	Value.	
			By commodities.	By classes.
COASTWISE, (A) UPSTREAM TO STOCKTON.				
Other vegetable products[1]		786		$108,030
Tanbark	44		$950	
Tanning extract	742		107,080	
Total	786	786		108,030

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Tonnage for which rates and distances hauled are available.	Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.			
INTERNAL, (B) DOWNSTREAM FROM STOCKTON.							*Miles.*	
Animals and animal products			792		$366,280			
Butter		189		$215,460		180	95	$0.047
Horses		211		46,420		96	64	.122
Meats, fresh		167		75,150				
Sheep		225		29,250				
Vegetable food products			120,983		6,450,368			
Barley		35,636		1,247,260		35,316	61	.039
Beans		9,729		778,320		9,591	90	.018
Celery		5,376		349,440		1,844	25	.087

[1] Operator of vessel transported this commodity for himself, and the freight cost was absorbed.

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SAN JOAQUIN RIVER, CALIF.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INTERNAL, (B), DOWNSTREAM FROM STOCKTON—contd.							
Vegetable food products—Continued.						*Miles.*	
Corn	2,060		$51,500		1,920	80	$0.031
Flour	25,043		2,504,300		24,979	90	.017
Fruits, canned	107		21,400		107	20	.250
Hay	9,833		137,662		8,446	48	.069
Mill feeds, miscellaneous	12,917		516,680		12,795	84	.021
Onions	4,499		224,950		4,156	75	.034
Potatoes	10,383		342,639		7,995	41	.053
Rice, cleaned	427		51,240		419	20	.250
Vegetables, miscellaneous	3,152		157,600		3,116	87	.057
Wheat	1,821		67,377		1,795	56	.032
Textiles: Bags of jute	965	965	144,750	$144,750	820	27	.116
Wood and paper		1,391		38,590			
Containers, wooden	314		6,280		295	20	.250
Lumber	1,077		32,310		759	49	.067
Nonmetallic minerals		1,763		18,510			
Coal	353		7,060		276	24	.138
Distillate	224		10,976		167	30	.253
Sand, gravel	1,186		474				
Ores, metals and manufactures of: Containers, metal	118	118	22,420	22,420			
Machinery and vehicles		1,481		877,850			
Automobiles	429		429,000		412	90	.117
Farm tractors	561		252,450		396	30	.225
Farming implements	491		196,400				
Unclassified		16,473		2,025,945			
General merchandise	14,261		1,782,625		13,812	87	.044
Other miscellaneous	2,212		243,320		51	30	.083
Total	142,780	143,996		9,944,713			

Classes and commodities.	Amount in short tons, by commodities (package).	Amount in short tons, by classes.	Value.	
			By commodities.	By classes.
COASTWISE, (B) DOWNSTREAM FROM STOCKTON.				
Unclassified: Other miscellaneous	66	66	$3,448	$3,448

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SAN JOAQUIN RIVER, CALIF.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Tonnage for which rates and distances hauled are available.	Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.			
INTERNAL, (C) NOT REACHING NOR LEAVING STOCKTON—UPSTREAM AND DOWNSTREAM.								
Animals and animal products			8,931		$751,200		*Miles.*	
Fertilizers		5,140		$205,600		4,960	33	$0.075
Fish, fresh		114		34,200				
Horses		371		81,620		260	26	.269
Sheep		3,306		429,780		3,306	35	.063
Vegetable food products			144,571		5,660,550			
Asparagus		3,114		233,550		2,542	40	.101
Barley		37,403		1,309,105		37,339	61	.040
Beans		2,812		224,960		2,737	70	.034
Celery		1,284		83,460		1,284	45	.049
Corn		12,461		311,525		12,419	81	.034
Flour		617		61,700		607	85	.029
Fruits, fresh		1,899		208,890		1,899	25	.088
Hay		8,003		112,042		5,476	69	.039
Mill feeds, miscellaneous		663		26,520		663	64	.035
Onions		13,874		693,700		12,193	57	.042
Potatoes		60,386		1,992,738		43,798	52	.043
Rice, cleaned		274		32,880		219	85	.053
Sugar		289		34,680		277	60	.050
Vegetables, canned		1,301		325,250		1,301	60	.040
Vegetables, miscellaneous		191		9,550		190	85	.059
Other vegetable products			530		193,850			
Hemp		121		30,250		121	45	.112
Rubber goods		409		163,600		409	52	.046
Textiles: Bags of jute		804	804	120,600	120,600	761	74	.047
Wood and paper			4,122	51,260				
Containers, wooden		438		8,760		438	85	.041
Firewood		3,016		15,080		2,306	55	.042
Lumber		504		15,120		228	85	.053
Shooks		164		12,300		160	85	.029
Nonmetallic minerals:			17,233		294,990			
Coal oil	95			3,610				
Do		67		2,680				
Distillate	439			20,633				
Do		632		30,968				
Fuel oil	14,600			153,300		14,600	60	.023
Do		96		1,056				
Gasoline	492			35,916				
Gasoline		435		32,625				
Lubricating oil	42			4,410				
Lubricating oil		84		9,240				
Rock, crushed	251			552				
Ores, metals, and manufactures of			453		46,020			
Hardware, tools[1]		105		14,700				
Structural iron, steel		348		31,320		348	60	$.050
Machinery and vehicles			1,858		802,600			
Farm tractors		346		155,700		126	20	.357
Farming implements		820		328,000		758	84	.466
Harvesters, reapers		542		243,900		500	20	.250
Machinery, except agricultural[1]		150		75,000				
Unclassified			14,083		1,750,625			
General merchandise		13,433		1,679,125		13,327	63	.062
Other miscellaneous[2]		6 50		71,500		83	60	.083
Total	15,919	176,666	192,585		9,671,695			
COASTWISE, (C) NOT REACHING NOR LEAVING STOCKTON—UPSTREAM.								
Wood and paper: Lumber	167		167	4,509	4,509	167	211	.025

[1] Includes 100 tons, Government material. [2] Includes 200 tons, Government material.

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SAN JOAQUIN RIVER, CALIF.—continued.

SUMMARY.

Classes of commodities.	Internal.		Coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	10,798	$1,229,110			10,798	$1,229,110
Vegetable food products	383,634	16,954,462			383,634	16,954,462
Other vegetable products	530	193,850	786	$108,030	1,316	301,880
Textiles	2,358	353,700			2,358	353,700
Wood and paper	9,496	203,520	167	4,509	9,663	208,029
Nonmetallic minerals	135,165	3,078,263			135,165	3,078,263
Ores, metals and manufactures of	571	68,440			571	68,440
Machinery and vehicles	5,059	2,869,100			5,059	2,869,100
Unclassified	98,027	12,196,690	66	3,448	98,093	12,200,138
Total	645,638	37,147,135	1,019	115,987	646,657	37,263,122

General ferry and car-ferry traffic, and cargoes in transit.—There was no car-ferry traffic nor cargoes in transit. Seven gasoline-barge ferries, transporting automobiles, tractors, trucks, wagons, passengers and animals, operated on the San Joaquin River and tributaries. In all cases the movement was directly across the waterway, the haul varying from 100 feet to 3,600 feet. It was not practicable to obtain returns from these, except for the Lauritzen ferry, operating across the river about 7 miles above its mouth, and transporting 25,136 passengers, 3,000 sheep, and 10,068 automobiles and trucks, total value of the sheep and vehicles being estimated at $10,083,000, exclusive of commodities carried of unknown amount and value.

Vessel classification, 1921.

Classes.	Number.	Net tonnage reported.	Passengers.
Registered:			
Steamers	13	5,237	72,446
Gas	128	3,432	133,837
Sailing	3	173	
Unregistered:			
Gas	15	60	500
Unrigged (tonnage reported)	38	4,670	
Unrigged (tonnage not reported)	35		
Total	232	13,572	206,783

In general, the distances carried and freight rates are known for short hauls of small lots only, and the resultant rates per ton-mile are large. Also, a large part of certain commodities was transported in vessels belonging to, or hired by, owners of the commodities, who absorbed the freight cost, thereby decreasing the quantities on which rates per ton-mile can be computed, and increasing respectively the apparent amounts of the latter. There are no ports of call on this river.

MOKELUMNE RIVER, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1885 [1]	30,500	(2)	960	1906	25,000	$1,500,000	(2)
1890 [2]	32,110	(2)	4,100	1907	14,640	1,000,000	(2)
1891 [2]	44,241	(2)	3,669	1908	25,284	1,800,000	(2)
1892 [2]	50,250	(2)	3,543	1909	28,020	2,042,400	(2)
1893 [3]	42,511	(2)	3,059	1910	44,203	2,931,561	(2)
1894 [3]	41,799	(2)	3,300	1911	28,987	1,903,277	2,198
1895 [3]	30,627	(2)	3,820	1912	50,443	2,833,704	923
1896 [3]	38,051	(2)	4,263	1913	90,585	5,079,932	1,459
1897 [4]	52,771	(2)	6,081	1914	69,783	3,045,870	1,994
1898	51,614	(2)	7,771	1915	88,624	4,033,698	1,857
1899	82,890	(2)	12,387	1916	80,871	5,202,847	15,841
1900	86,989	(2)	16,313	1917	78,954	6,806,410	18,961
1901	81,701	(2)	17,157	1918	67,949	6,135,575	17,290
1902	43,299	(2)	(2)	1919	61,901	6,389,698	19,591
1903	41,411	(2)	(2)	1920	91,498	6,260,596	18,813
1904	44,660	(2)	(2)	1921	88,320	5,680,278	14,981
1905	12,000	(2)	(2)				

[1] For year ending June 30, 1886.
[2] No statistics available.
[3] For year ending May 31 of following year.
[4] Beginning with this year statistics have been reported for the calendar year.

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MOKELUMNE RIVER, CALIF.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Tonnage for which rates and distances hauled are available.	Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.			
INTERNAL, UPSTREAM AND DOWNSTREAM.								
							Miles.	
Animals and animal products			535		$44,260			
Fertilizers		408		$16,320		408	25	$0.100
Horses		127		27,940				
Vegetable food products			72,570		4,091,134			
Asparagus		1,375		103,125		809	90	.050
Barley		14,155		495,425		13,314	57	.043
Beans		4,768		381,440		4,703	75	.034
Celery		5,304		344,760		5,304	37	.068
Corn		6,092		152,300		6,062	88	.031
Flour		210		21,000		197	90	.033
Fruits, fresh		599		65,890		598	60	.058
Hay		1,543		21,602		1,330	42	.083
Mill feeds, miscellaneous		986		39,440		979	67	.047
Onions		6,954		347,700		6,888	84	.029
Potatoes		24,722		815,826		24,300	69	.033
Rice, cleaned		231		27,720		220	59	.079
Sugar		368		44,160		363	75	.047
Vegetables, canned		4,845		1,211,250		4,845	85	.029
Vegetables, miscellaneous		310		15,500		289	90	.044
Wheat		108		3,996		108	90	.025
Other vegetable products: Rubber goods		507	507	202,800	202,800	507	52	.046
Textiles: Bags of jute		348	348	52,200	52,200	323	80	.045
Wood and paper			3,000		94,640			
Containers, wooden		1,179		23,580		1,179	90	.036
Firewood		430		2,150		240	80	.029
Lumber		787		23,610		707	79	.035
Shooks		604		45,300		604	38	.068
Nonmetallic minerals: Fuel oil		2,554	2,554	28,094	28,094	2,541	60	.025
Ores, metals, and manufactures of: Structural iron, steel		421	421	37,890	37,890	417	75	.040
Machinery and vehicles			303		129,750			
Farm tractors		171		76,950				
Farming implements		132		52,800				
Unclassified			8,082		999,510			
General merchandise		7,366		920,750		7,274	88	.057
Other miscellaneous		716		78,760		517	51	.106
Total		88,320	88,320		5,680,278			

SUMMARY.

Classes of commodities.	Tons.	Value.	Classes of commodities.	Tons.	Value.
Animals and animal products	535	$44,260	Ores, metals, and manufactures of	421	$37,890
Vegetable food products	72,570	4,091,134	Machinery and vehicles	303	129,750
Other vegetable products	507	202,800	Unclassified	8,082	999,510
Textiles	348	52,200			
Wood and paper	3,000	94,640	Total	88,320	5,680,278
Nonmetallic minerals	2,554	28,094			

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MOKELUMNE RIVER, CALIF.—continued.

Vessel classification, 1921.

Classes.	Number.	Net tonnage reported.	Passengers.
Registered:			
Steamers	6	2,589	976
Gas	50	1,430	13,965
Sailing	1	47	.....
Unregistered:			
Gas	6	24	40
Unrigged (tonnage reported)	10	1,367	.....
Unrigged (tonnage not reported)	20	.....	.....
Total	93	5,457	14,981

In general, the distances carried and freight rates are known for short hauls of small lots only, and the rates per ton-mile are therefore large.

There are no ports of call for this river.

SACRAMENTO RIVER, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1878 [1]	200,925	(2)	(2)	1900	465,725	(2)	12,340
1879 [1]	(2)	(2)	(2)	1901	457,083	(2)	8,673
1880 [1]	279,659	(2)	(2)	1902	404,900	(2)	(2)
1881 [1]	156,750	(2)	(2)	1903	383,724	(2)	(2)
1882 [1]	(2)	(2)	(2)	1904	353,164	(2)	(2)
1883 [1]	(2)	(2)	(2)	1905	365,957	(2)	(2)
1884 [2]	240,485	(2)	(2)	1906	375,000	(2)	(2)
1885 [2]	293,484	(2)	(2)	1907	400,000	(2)	(2)
1886 [2]	385,995	(2)	(2)	1908	425,000	(2)	150,000
1887 [3]	310,300	(2)	(2)	1909	425,000	$29,750,000	150,000
1888 [3]	(2)	(2)	(2)	1910	496,147	29,522,151	184,406
1889 [3]	412,185	(2)	(2)	1911	505,285	32,139,048	185,396
1890 [4]	349,890	(2)	15,650	1912	477,292	27,755,325	202,015
1891 [4]	596,515	(2)	14,455	1913	733,594	35,856,791	212,114
1892 [4]	483,773	(2)	14,102	1914	721,090	38,211,760	175,485
1893 [4]	376,810	(2)	(2)	1915	766,935	38,027,703	191,416
1894 [4]	445,352	(2)	(2)	1916	875,780	46,908,093	115,666
1895 [4]	370,519	(2)	12,108	1917	947,690	96,820,992	57,797
1896 [4]	430,260	(4)	11,608	1918	1,053,510	113,991,123	112,206
1897 [5]	398,988	(2)	10,860	1919 [7]	1,666,025	78,601,238	91,540
1898 [6]	225,882	(2)	11,523	1920 [8]	1,377,700	53,946,146	104,923
1899	489,236	(2)	12,371	1921 [9]	976,596	52,092,263	102,807

[1] For the calendar year.
[2] No statistics available.
[3] For fiscal year ending June 30 of the year shown.
[4] For fiscal year ending May 31 of following year.
[5] Beginning with this year statistics have been reported continuously for the calendar year.
[6] One of the largest transportation companies did not report for this year.
[7] Includes 712,500 tons of water, valued at $27,075.
[8] Includes 599,883 tons of water, valued at $60,468, and 13,682 tons of Government materials used in improvement of the river, and valued at $606,191.
[9] Includes 143,000 tons of water, valued at $17,847, and 14,028 tons of Government materials used in improvement of the river, and valued at $217,478.

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SACRAMENTO RIVER, CALIF.—continued.

[Navigation season: Continuous up to Sidd's Landing, 34 miles above Colusa, except in August and September, when there was but little navigation above Colusa.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Tonnage for which rates and distances hauled are available.	Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.			
INTERNAL, (A) UPSTREAM TO SACRAMENTO.								
							Miles.	
Animals, and animal products: Eggs		196	196	$105,840	$105,840	196	110	$0.054
Vegetable food products			51,075		4,446,074			
Asparagus		561		42,075		545	30	.167
Barley		779		27,265				
Beans		5,365		429,200		5,274	53	.042
Corn		1,148		28,700		1,128	69	.036
Flour		859		85,900		853	110	.019
Fruits, canned		1,013		202,600		1,013	110	.024
Fruits, fresh		4,759		523,490		4,759	62	.055
Hay		448		6,272		298	72	.036
Mill feeds, miscellaneous		600		24,000		585	110	.024
Onions		3,403		170,150		3,051	54	.051
Potatoes		16,204		534,732		15,852	58	.037
Rice, cleaned		662		79,440		662	110	.027
Sugar		10,185		1,222,200		10,185	110	.022
Vegetables, canned		4,078		1,019,500		4,078	96	.026
Vegetables, miscellaneous		1,011		50,550		1,011	110	.036
Other vegetable products: Rubber goods		378	378	151,200	151,200	378	110	.045
Textiles: Bags of jute		847	847	127,050	127,050	820	110	.027
Wood and paper			1,037		24,510			
Containers, wooden		441		8,820		441	110	.033
Lumber		450		13,500		280	110	.034
Piles		146		2,190		146	110	.022
Nonmetallic minerals			99,889		2,983,905			
Cement, Portland		112		2,016		62	110	.022
Coal oil	3,302			125,476				
Distillate	5,591			262,777				
Fuel oil	61,352			644,196		58,455	105	.013
Gasoline	25,393			1,853,689				
Lubricating oil	458			48,090				
Do		367		40,370				
Rock, crushed	3,314			7,291				
Ores, metals, and manufactures of: Structural iron, steel		1,349	1,349	121,410	121,410	1,349	110	.026
Machinery and vehicles			2,209		2,046,750			
Automobiles		1,914		1,914,000		1,914	109	.066
Farm tractors		295		132,750		235	110	.068
Unclassified			68,981		8,603,365			
General merchandise		67,697		8,462,125		67,697	110	.047
Other miscellaneous		1,284		141,240		601	97	.057
Total	99,410	126,551	225,961		18,610,104			
INTERNAL (B) DOWNSTREAM FROM SACRAMENTO.								
Animals and animal products			481		182,910			
Cattle hides		197		29,550		197	110	.045
Eggs		284		153,360		284	110	.045
Vegetable food products			108,689		11,553,407			
Barley		27,027		945,945		26,958	101	.019
Beans		10,982		878,560		10,967	110	.022
Celery		873		56,745		840	110	.010
Flour		1,222		122,200		1,222	110	.022
Fruits, canned		7,983		1,596,600		7,983	110	.024
Fruits, dried		2,663		452,710		2,663	102	.024
Fruits, fresh		225		24,750		225	110	.036
Hay		1,852		25,928		1,271	95	.024

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SACRAMENTO RIVER, CALIF.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Tonnage for which rates and distances hauled are available.	Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.			
INTERNAL, (B) DOWNSTREAM FROM SACRAMENTO—contd.								
Vegetable food products—Continued.								
Mill feeds, miscellaneous		308		$12,320		308	*Miles.* 110	$0.027
Oats		167		7,515		159	110	.018
Potatoes		3,033		100,089		2,141	61	.035
Rice, cleaned		36,313		4,357,560		36,313	110	.019
Rice, uncleaned		2,491		124,550		2,491	110	.021
Sugar		137		16,440		137	110	.025
Vegetables, canned		10,839		2,709,750		10,839	110	.022
Vegetables, miscellaneous		2,039		101,950		2,011	110	.025
Wheat		535		19,795		505	110	.018
Other vegetable products: Hops		542	542	325,200	$325,200	542	110	.033
Textiles: Bags of jute		197	197	29,550	29,550	197	110	.027
Wood and paper			3,488		189,600			
Containers, wooden		783		15,660		783	89	.028
Firewood	150			600				
Do		60		300				
Lumber		313		9,390		99	47	.115
Shooks		2,182		163,650		2,182	36	.067
Nonmetallic minerals			6,319		61,641			
Bricks	4,613			32,291		4,613	100	.009
Cement, Portland		1,525		27,450		1,509	32	.069
Fuel oil	181			1,900		181	15	.073
Ores, metals, and manufactures of			239		34,010			
Containers, metal		125		23,750				
Structural iron, steel		114		10,260				
Machinery and vehicles			1,291		1,047,350			
Automobiles		848		848,000		847	110	.064
Farm tractors		443		199,350		308	110	.058
Unclassified			16,834		2,089,925			
General merchandise		15,879		1,984,875		15,805	96	.053
Other miscellaneous		955		105,050		306	51	.125
Total	4,944	133,136	138,080		15,513,593			
INTERNAL (C) UPSTREAM FROM SACRAMENTO.								
Textiles: Bags of jute		93	93	13,950	13,950	93	118	.049
Wood and paper			318		6,540			
Lumber		118		3,540		118	92	.062
Piling [1]		200		3,000				
Nonmetallic minerals			4,888		39,595			
Cement, Portland		105		1,890		105	92	.026
Fuel oil	3,275			34,387		3,275	25	.086
Rock, crushed [1]	1,508			3,318				
Unclassified: General merchandise		2,588	2,588	323,500	323,500	2,586	105	.053
Total	4,783	3,104	7,887		383,585			
INTERNAL, (D) DOWNSTREAM TO SACRAMENTO.								
Vegetable food products			26,136		1,175,606			
Barley		11,114		388,990		11,100	92	.083
Beans		2,464		197,120		2,464	79	.047
Corn		297		7,425		297	92	.033
Rice, uncleaned		9,378		493,900		9,378	105	.034
Wheat		2,383		88,171		2,383	92	.033

[1] Government material used mostly at or close to Sacramento in maintenance work on this river.

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SACRAMENTO RIVER, CALIF.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Tonnage for which rates and distances hauled are available.	Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.			
INTERNAL, (D) DOWNSTREAM TO SACRAMENTO—continued.							*Miles.*	
Wood and paper			1,555		$7,255			
Firewood	520			$2,080		520	22	$0.068
Do		1,035		5,175				
Total	520	27,171	27,691		1,182,861			
INTERNAL, (E) BETWEEN POINTS ABOVE SACRAMENTO—UPSTREAM AND DOWNSTREAM.								
Vegetable food products			340		14,645			
Barley		157		5,495		157	40	.065
Rice, uncleaned		183		9,150		183	40	.082
Nonmetallic minerals:								
Fuel oil	130		130	1,365	1,365	130	10	.185
Unclassified: Other miscellaneous		132	132	14,520	14,520	96	26	.115
Total	130	472	602		30,530			
INTERNAL, (F) BETWEEN POINTS BELOW SACRAMENTO—UPSTREAM AND DOWNSTREAM.								
Animals and animal products			820		131,710			
Fertilizers		100		4,000		100	80	.031
Fish, fresh	294			44,100				
Do		93		27,900		43	92	.067
Horses		138		30,360		63	40	.099
Sheep		195		25,350		182	67	.099
Vegetable food products			144,738		8,517,938			
Asparagus		15,016		1,126,200		13,785	57	.062
Barley		30,384		1,063,440		29,823	59	.041
Beans		5,363		429,040		5,304	84	.036
Celery		13,463		875,095		13,463	23	.126
Corn		10,349		258,725		10,157	84	.037
Fruits, fresh		11,792		1,297,120		11,556	66	.064
Hay		21,991		307,874		17,363	82	.033
Mill feeds, miscellaneous		420		16,800		190	92	.032
Onions		1,128		56,400		1,031	80	.032
Potatoes		7,686		253,638		5,064	74	.031
Rice, cleaned		497		59,640		497	92	.038
Sugar		272		32,640		272	92	.038
Sugar beets		7,500		60,000		7,500	8	.094
Vegetables, canned		9,217		2,304,250		9,217	79	.034
Vegetables, miscellaneous		1,512		75,600		1,234	91	.052
Wheat		8,148		301,476		8,066	44	.055
Other vegetable products: Rubber goods		124	124	49,600	49,600	124	80	.084
Textiles: Bags of jute		521	521	78,150	78,150	489	91	.041
Wood and paper			6,031		262,062			
Containers, wooden		1,123		22,460		1,123	92	.092
Firewood	54			216		54	50	.080
Do		107		535		75	60	.039
Lumber	553			14,931		240	65	.046
Do		2,014		60,420		645	84	.044
Shooks		2,180		163,500		2,180	35	.073
Nonmetallic minerals			158,662		490,178			
Cement, Portland		256		4,608		126	68	.038
Coal oil	76			2,888				
Do		132		5,280				
Distillate	648			30,456				
Do		1,676		82,124				
Fuel oil [2]	14,865			156,082		2,941	70	.021
Fuel oil		139		1,529				
Gasoline	446			32,558				

[2] Includes 11,920 tons, Government material, used in flood-control work.

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SACRAMENTO RIVER, CALIF.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Tonnage for which rates and distances hauled are available.	Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.			
INTERNAL, (F) BETWEEN POINTS BELOW SACRAMENTO—UPSTREAM AND DOWNSTREAM—con.								
Nonmetallic minerals—Continued.							*Miles.*	
Gasoline		873		$65,475				
Lubricating oil		268		29,480				
Rock, crushed	13,325			29,315		4,425	72	$0.014
Sand, gravel	125,958			50,383		53,519	72	.009
Ores, metals, and manufactures of			3,271		$382,290			
Containers, metal		799		151,810		799	81	.061
Hardware, tools[3]		160		22,400				
Structural iron, steel		2,312		208,080		312	82	.042
Machinery and vehicles			926		411,050			
Farm tractors		343		154,350		249	32	.194
Farming implements		213		85,200		133	49	.071
Harvesters, reapers		270		121,500		260	35	.076
Machinery, except agricultural[3]		100		50,000				
Unclassified			157,019		1,748,517			
General merchandise		12,572		1,571,500		12,470	84	.074
Other miscellaneous[4]		1,447		159,170		386	46	.144
Water	143,000			17,847				
Total	299,219	172,893	472,112		12,071,495			
COASTWISE (G) BETWEEN POINTS BELOW SACRAMENTO, UPSTREAM.								
Wood and paper: Lumber	693		693		18,711	693	221	.024
INTERNAL, (H) BETWEEN POINTS ABOVE AND POINTS BELOW SACRAMENTO—UPSTREAM AND DOWNSTREAM.								
Animals and animal products: Sheep		788	788	102,440	102,440	788	39	.089
Vegetable food products			96,355		3,764,529			
Barley		60,829		2,129,015		60,623	206	.018
Beans		1,978		158,240		1,978	190	.024
Corn		1,622		40,550		1,622	217	.018
Hay		1,395		19,530		80	217	.021
Onions		195		9,750				
Potatoes		2,028		66,924		1,851	42	.047
Rice, uncleaned		22,548		1,127,400		22,548	217	.027
Wheat		5,760		213,120		5,760	195	.019
Textiles			746		121,350			
Bags of jute		641		96,150		641	217	.020
Wool		105		25,200		105	217	.065
Wood and paper			3,523		29,240			
Firewood	200			800		200	70	.035
Do		2,850		14,250		2,220	60	.038
Lumber		473		14,190		376	180	.034
Unclassified			2,158		263,825			
General merchandise		1,763		220,375		1,763	217	.023
Other miscellaneous		395		43,450				
Total	200	103,370	103,570		4,281,384			

[3] Includes 100 tons, Government material, used in flood-control-work.
[4] Includes 200 tons, Government material, used in flood-control work.

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SACRAMENTO RIVER, CALIF.—continued.

SUMMARY.

Classes of commodities.	Internal.		Coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value
Animals and animal products	2,285	$522,900	.....	.....	2,285	$522,900
Vegetable food products	427,333	29,472,199	.....	.....	427,333	29,472,199
Other vegetable products	1,044	526,000	.....	.....	1,044	526,000
Textiles	2,404	370,050	.....	.....	2,404	370,050
Wood and paper	15,952	519,207	693	$18,711	16,645	537,918
Nonmetallic minerals	269,888	3,576,684	.....	.....	269,888	3,576,684
Ores, metals, and manufactures of	4,859	537,710	.....	.....	4,859	537,710
Machinery and vehicles	4,426	3,505,150	.....	.....	4,426	3,505,150
Unclassified	247,712	13,043,652	.....	.....	247,712	13,043,652
Total	975,903	52,073,552	693	18,711	976,596	52,092,263

General ferry and car-ferry traffic and cargoes in transit.—There was no car-ferry traffic nor cargoes in transit. About 12 gasoline-barge ferries, transporting automobiles, trucks, wagons, passengers, and animals operated on the river and interconnecting sloughs below Sacramento, and about 5 similar ferries operated above Sacramento. During 1921 the total traffic transported by some of these is estimated to have ranged, respectively, from 12,000 to 70,000 automobiles, from 1,000 to 12,000 auto trucks, from 500 to 1,000 wagons, and from 13,000 to 150,000 passengers, including those in the vehicles. In all cases the movement was across the waterway, the haul varying from 150 to 650 feet.

Vessel classification, 1921.

Classes.	Number.	Net tonnage reported.	Passengers.
Registered:			
Steamers	34	13,154	101,061
Gas	131	3,619	1,696
Sailing	4	220	.....
Unregistered:			
Gas	18	71	50
Unrigged (tonnage reported)	46	5,589	.....
Unrigged (tonnage not reported)	69	.....	.....
Total	302	22,653	102,807

In general, the distances carried, and freight rates are known for short hauls of small lots only and the resultant rates per ton-mile are large. Also, a large part of certain commodities was transported in vessels belonging to, or hired by, owners of the commodities, who absorbed the freight cost, thereby decreasing the quantities on which rates per ton-mile can be computed and increasing respectively the apparent amounts of the latter. Water, pumped from the river and transported for industrial use (first reported in the Annual Report of 1919, pp. 1794 and 3400), caused an increase in the total normal tonnage of 143,000 tons, valued at $17,847, with corresponding increases in section F in the tabulation of freight traffic above.

Above Sacramento 139,750 tons of freight were carried, valued at $5,878,360, and below Sacramento, 940,416 tons were carried, valued at $50,495,287, including "water" above noted, of which 103,570 tons, valued at $4,281,384, appears in both sections. Of the total downstream freight to Sacramento, about half was grain, later reshipped by rail to eastern points; and a large amount of foodstuffs and feed, delivered at points on San Francisco Bay, was similarly handled.

Through the State highway bascule bridge at Rio Vista, during the calendar year 1921, passed 2,314 steamboats, 5,616 gas boats, 2,221 barges, 8 schooners, 20 dredges, 8 pile drivers, and 94 yachts. Through the San Francisco-Sacramento Railway drawbridge at M Street, Sacramento, passed 2,083 steamboats, 453 gas boats, 725 barges, 9 dredges, 15 pile drivers, 5 yachts, and 11 house barges. Through the Southern Pacific Railway drawbridge at H Street, Sacramento, passed 523 steamboats,

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396 gas boats, 639 barges, 16 dredges, 14 pile drivers, and 4 house barges. Through the Southern Pacific Railway drawbridge at Knights Landing passed 401 steamboats, 140 gas boats, 378 barges, 9 dredges, and 2 house barges. Through the San Francisco-Sacramento Railway drawbridge at Meridian passed 244 steamboats and 188 barges. Through the Colusa County highway drawbridge at Colusa passed 252 steamboats, 17 gas boats, 187 barges, and 4 dredges. In the above statements only those passages requiring opening of the bridges are enumerated.

There are no ports of call on this river.

FEATHER RIVER, CALIF.

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1885 [1]	23,400	(2)	1899	4,430	(2)
1886 [1]	20,483	(2)	1900	4,411	(2)
1887 [1]	14,154	(2)	1901	4,118	(2)
1888 [1]	(2)	(2)	1904	1,665	(2)
1889 [1]	27,121	(2)	1905	5,306	(2)
1890 [3]	13,655	(2)	1906	5,000	(2)
1891 [4]	12,484	(2)	1912	2,729	$159,046
1892 [4]	16,941	(2)	1913	3,332	207,366
1893 [4]	17,430	(2)	1915	2,906	(2)
1894 [4]	18,796	(2)	1916	392	(2)
1895 [4]	25,705	(2)	1917	135	13,895
1896 [4]	5,866	(2)	1918	287	25,210
1897 [4]	8,119	(2)	1919	2,621	22,260
1897 [5]	4,313	(2)	1920	567	27,145
1898	2,898	(2)	1921	1,256	22,153

[1] For fiscal year ending June 30 of the year shown.
[2] No statistics available.
[3] For 11 months ending May 31 of the year shown.
[4] For fiscal year ending May 31 of the year shown.
[5] Beginning with this year statistics have been reported for the calendar year.

No passenger traffic has ever been reported for this stream.

[Navigation season, January to June, inclusive.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL, UPSTREAM AND DOWNSTREAM.					
Wood and paper: Firewood	.....	150	150	$750	$750
Nonmetallic minerals: Fuel oil	1,086	.....	1,086	11,403	11,403
Machinery and vehicles: Machinery, except agricultural	.....	20	20	10,000	10,000
Total	1,086	170	1,256	.....	22,153

Remarks.—"Rates per ton-mile" and related data are omitted, since the freight rates were for short hauls of small lots or were included in the cost of the commodities and were not charged separately.

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FEATHER RIVER, CALIF.—continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Wood and paper	150	$750
Nonmetallic minerals	1,086	11,408
Machinery and vehicles	20	10,000
Total	1,256	22,158

Vessel classification, 1921.

Classes.	Number.	Net tonnage reported.
Registered, gas	4	46
Unregistered:		
Unrigged (tonnage reported)	1	300
Unrigged (tonnage not reported)	2	.....
Total	7	346

PORTLAND, OREG., FIRST DISTRICT.

COQUILLE RIVER, OREG.

Comparative statement of traffic.[1]

RIVER.

Year.	Tons.	Value.	Passengers.	Floated logs.	Value.
1915	11,253	$946,474	20,560	42,958	$128,874
1916	6,810	538,094	39,041	130,178	520,712
1917	22,680	811,888	42,981	137,950	824,830
1918	42,210	1,849,428	59,364	136,362	1,022,720
1919	51,026	2,621,516	44,597	107,650	1,072,824
1920	11,626	2,480,787	34,477	1,550	21,494
1921	22,606	3,168,272	43,850	51,995	389,959

BAR ONLY.

Year.	Tons.	Value.	Passengers.	Floated logs.	Value.
1895	16,256	(2)	(2)	.....	.....
1896	21,106	(2)	(2)	.....	.....
1897	25,620	(2)	(2)	.....	.....
1898	24,556	(2)	(2)	.....	.....
1899	27,998	(2)	(2)	.....	.....
1900	30,727	(2)	(2)	.....	.....
1901	32,975	(2)	502	.....	.....
1902	37,458	(2)	396	.....	.....
1903	48,249	(2)	535	.....	.....
1904	60,944	$1,332,058	744	.....	.....
1905	45,455	1,105,750	407	.....	.....
1906	67,288	1,119,716	206	.....	.....
1907	60,504	1,367,634	329	.....	.....
1908	68,426	1,375,938	716	.....	.....
1909	85,127	2,110,898	1,121	.....	.....
1910	92,318	2,779,556	1,990	.....	.....
1911	130,781	2,724,269	3,066	.....	.....
1912	193,496	3,054,556	3,296	.....	.....
1913	196,817	3,285,554	4,262	.....	.....
1914	123,197	2,472,955	2,539	.....	.....
1915	90,705	2,254,422	2,281	.....	.....
1916	104,264	2,245,809	1,156	.....	.....
1917	102,163	1,825,198	749	.....	.....
1918	76,277	1,704,280	707	.....	.....
1919	70,654	2,261,557	392	.....	.....
1920	73,752	3,285,784	224	.....	.....
1921	58,604	2,324,431	395	.....	.....

[1] Prior to 1915 commercial statistics were reported for the bar only, and no part of the local river traffic above Bandon (1 mile from the entrance) were included in the reports. Since 1914 statistics were collected for both the bar and the river above Bandon. The comparative statements inclosed show the statistics for the bar from 1895 to date and for the river from 1914 to date separately. The commercial statistics for the river above Bandon prior to 1915 can not be obtained.

[2] No statistics available.

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COQUILLE RIVER, OREG.—continued.

[Navigation season, Jan. 1 to Dec. 31.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
						Miles.	
Nonmetallic minerals: Refined petroleum products		295	295	$23,600	$23,600	420	$0.012
Unclassified: General merchandise		5,164	5,164	1,003,470	1,003,470	390	.013
Total receipts, coastwise		5,459	5,459		1,027,070		
SHIPMENTS, COASTWISE.							
Animals and animal products			1,558		619,200	390	.013
Dairy products, including eggs, etc		32		8,800			
Milk, canned		1,526		610,400			
Vegetable food products			46		3,000	390	.013
Vegetables, including potatoes (fresh)		18		900			
Fruit and berries		28		2,100			
Wood and paper			51,113		640,196	390	.013
Lumber, including ties	50,663			607,956			
Veneers and plywood		268		26,800			
Lath		82		2,460			
Shingles		5		130			
Matchwood		95		2,850			
Nonmetallic minerals: Coal, bituminous		265	265	3,180	3,180	390	.013
Unclassified: General merchandise		163	163	31,785	31,785	390	.013
Total shipments, coastwise	50,663	2,482	53,145		1,297,361		
Total receipts		5,459	5,459		1,027,070		
Total receipts and shipments	50,663	7,931	58,604		2,324,431		
UP AND DOWN BOUND, INTERNAL.							
Animals and animal products			5,069.50		1,244,308	25	.10
Cattle		106.50		13,632			
Dairy products, including eggs, etc		3,849.75		1,058,631			
Fish, fresh		72.25		15,895			
Canned milk		1,041.00		156,150			
Vegetable food products			1,376.25		59,613	25	.10
Barley, wheat, and oats		671.25		28,192			
Hay		304.50		5,177			
Vegetables, including potatoes (fresh)		151.75		7,588			
Fruit and berries		248.75		18,656			
Textiles: Woolen goods		.50	.50	1,000	1,000	25	.10
Wood and paper	51,994.50		58,218.25	389,959			
Lumber, including ties		5,398.25		64,779			
Cedar bolts		392.00		11,790			
Poles, telegraph		358.25		3,583			
Lath		1.00		24			
Chittim bark		.25		25			
Shingle bolts		74.00		2,220			
Nonmetallic minerals			2,872.58		398,545	25	.10
Coal, bituminous		28.25		339			
Lubricating oils and greases		2,844.33		398,206			
Machinery and vehicles			107.25		26,062	25	.10
Unclassified: General merchandise		6,955.50	6,955.50	1,356,323	1,356,323	25	.10
Total up and down bound	51,994.50	22,605.83	74,599.83		3,558,231		

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COQUILLE RIVER, OREG.—continued.

SUMMARY.

Classes of commodities.	Coastwise.		River.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	1,558	$619,200.00	5,069.50	$1,244,308.00	6,627.50	$1,863,508.00
Vegetable food products	46	3,000.00	1,376.25	59,613.00	1,422.25	62,613.00
Textiles			.50	1,000.00	.50	1,000.00
Wood and paper	51,113	640,196.00	[1] 58,218.25	472,380.00	109,331.25	1,112,576.00
Nonmetallic minerals	560	26,780.00	2,872.58	398,545.00	3,432.58	425,325.00
Machinery and vehicles			107.25	26,062.00	107.25	26,062.00
Unclassified: General merchandise	5,327	1,035,255.00	6,955.50	1,356,323.00	12,282.50	23,915.78
Total	58,604	4,324,431.00	74,599.83	3,558,231.00	133,203.83	5,882,662.00

[1] Includes 51,995 tons floated logs.

Vessel classification, 1921.

	Times entered and cleared.	Net tonnage.	Passengers.
OCEAN-GOING.			
Entered from coastwise ports	93	25,705	395
Cleared to coastwise ports	94	25,974	
Total	187	51,679	395

Inland river.	Number.	Net tonnage.	Passengers.
Steamers	2	131	43,850
Gasoline	2	29	
Total	4	160	43,850

COOS RIVER, OREG.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated logs.	Value.	Stone for Government jetty construction.
				Tons.		*Tons.*
1896	2,434	(1)	[2] 4,500	8,800	(1)	7,449
1897	6,334	(1)	[2] 5,000	10,200	(1)	.....
1898	7,260	(1)	[2] 12,000	15,314	(1)	.....
1899	6,505	(1)	[2] 15,000	41,650	(1)	21,852
1900	19,554	(1)	[2] 9,850	39,271	(1)	170,400
1901	25,949	(1)	13,495	19,500	(1)	16,953
1902	[2] 23,000	(1)	(1)	[2] 23,000	(1)	.....
1903	5,436	(1)	23,899	22,673	(1)	.....
1904	8,006	$908,055	19,388	41,901	$125,703	.....
1905	7,716	1,069,928	19,974	36,682	110,046	.....
1906	9,106	1,167,391	24,324	26,431	79,293	.....
1907	12,074	1,523,951	37,693	29,999	89,997	.....
1908	20,350	1,630,120	43,251	16,347	49,041	.....
1909	16,151	1,896,498	36,437	29,757	95,351	.....
1910	21,269	1,471,696	29,714	18,881	56,647	.....
1911	11,908	1,837,650	36,566	56,526	102,402	.....
1912	9,706	1,702,299	34,888	72,658	181,645	.....
1913	11,304	1,907,830	32,561	55,955	167,865	.....
1914	13,619	2,012,205	32,332	89,465	268,395	.....
1915	15,088	2,262,701	32,491	74,033	222,872	.....
1916	16,890	1,692,361	35,166	100,151	400,604	.....
1917	[3] 35,812	2,613,802	30,657	61,235	366,336	.....
1918	10,490	1,767,637	20,946	12,924	96,867	.....
1919	9,534	2,291,201	29,207	923	9,230	.....
1920	[4] 9,928	2,461,166	25,462	6,149	67,179	.....
1921	[5] 13,021	1,680,514	31,307	10,921	81,907	.....

[1] No statistics available.
[2] Approximate.
[3] Includes 19,105 tons of rock used for jetty construction.
[4] Does not include floated logs.
[5] Does not include 10,921 tons logs floated valued at $81,907. Increase of commerce due to increased logging operations on the stream.

NOTE.—Coos River empties into Coos Bay and is its principal tributary.

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COOS RIVER, OREG.—continued.

[Navigation season, Jan. 1 to Dec. 31.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPBOUND, INTERNAL.						*Miles.*	
Animals and animal products			390		$50,361	15	$0.266
Cattle		387		$49,536			
Dairy products, including eggs, etc		3		825			
Vegetable food products			1,282		45,161	15	.133
Wheat		903		37,926			
Hay		355		6,035			
Vegetables and potatoes (fresh)		24		1,200			
Wood and paper: Lumber, including ties		2,959	2,959	35,508	35,508	15	.10
Nonmetallic minerals: Coal, bituminous		54	54	648	648	15	.133
Machinery and vehicles: Machinery steam, gas, electrical		1,065	1,065	258,795	258,795	15	.133
Unclassified: General merchandise		1,153	1,153	224,835	224,835	15	.133
Total, upbound		6,903	6,903		615,308		
DOWN BOUND, INTERNAL.							
Animals and animal products			2,774		684,654		
Cattle		568		65,024			
Dairy products, including eggs, etc		2,202		605,550			
Fish, fresh		64		14,080			
Vegetable food products			1,101		62,375		
Vegetables and potatoes (fresh)		808		40,400			
Fruit and berries		293		21,975			
Wood and paper			11,684		92,719		
Logs (towed)	10,921			81,907			
Lumber, including ties		751		9,012			
Chittim bark		12		1,800			
Nonmetallic minerals: Coal, bituminous		5	5	60	60		
Machinery and vehicles: Machinery, steam, gas, electrical		410	410	99,630	99,630		
Unclassified: General merchandise		1,065	1,065	207,675	207,675		
Total, down bound	10,921	6,118	6,118		1,147,113		

SUMMARY.

Classes of commodities.	Internal.	
	Tons.	Value.
Animals and animal products	3,164	$735,015
Vegetable food products	2,383	107,536
Wood and paper	14,643	128,227
Nonmetallic minerals	59	708
Machinery and vehicles	1,475	358,425
Unclassified, general merchandise	2,218	432,510
Total	[1] 23,942	1,762,421

[1] Includes 10,921 tons logs floated valued at $81,907.

Vessel classification, 1921.

Class, enrolled and licensed.	Number operated.	Net tonnage.	Passengers.
Steamers	1	58	31,307
Gasoline	10	83	
Total	11	141	31,307

Maximum draft of vessels using river 6 feet.

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YAQUINA RIVER, OREG.

TOLEDO TO YAQUINA.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated logs.	Value.
				Tons.	
1913 [1]	14,860	$876,708	(2)		
1914 [1]	18,241	548,600	(2)		
1915	8,452	88,256	1,944		
1916 [3]	7,902	547,423	700		
1917	1,150	33,000	900		
1918	[4] 42,905	1,299,640	48,792	7,112	$45,517
1919	6,040	719,522	10,500	726	4,936
1920	5,636	1,270,268	32,086	16,500	181,500
1921	[5] 9,896	1,111,752	29,928	17,190	125,661

[1] Bar traffic also.
[2] No statistics available.
[3] Bar report, 60 per cent of which was carried on the river.
[4] Increased shipments of lumber, due to activities of Spruce Corporation.
[5] In addition, 63,711 tons of stone, valued at $92,062, was barged from a point 11 miles above Yaquina to the jetties at the entrance of the bay.

[Navigation season, Jan. 1 to Dec. 31.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UP AND DOWN BOUND.						*Miles.*	
Animals and animal products			566		$9,622	5	$0.20
Hay		566		$9,622			
Wood and paper			20,310		143,111		
Logs (towed)	15,472			116,040		10	
Piling (towed)	1,718			9,621		20	
Cordwood	2,394			8,738		8	.06
Lumber, including ties	726			8,712		12	
Nonmetallic minerals			690		8,280		
Coal, bituminous		540		6,480		5	.25
Fuel oil		150		1,800		10	.10
Unclassified: General merchandise		5,520	5,520	1,076,400	1,076,400	4	.25
Total	20,310	6,776	27,086		1,237,413		

Passengers, 29,928. (Passenger traffic between railroad terminus at Yaquina and Newport, 4 miles). In addition, 63,711 tons of stone, valued at $92,062, was barged from a point 11 miles above the Yaquina to the jetties at the entrance of the bay.

SUMMARY.

Classes of commodities.	Domestic.			
	River.		Floating logs, etc.	
	Tons.	Value.	Tons.	Value.
Animals and animal products	566	$9,622		
Wood and paper	3,120	17,450	17,190	$125,661
Nonmetallic minerals	690	8,280		
Unclassified: General merchandise	5,520	1,076,400		
Total	[1] 9,896	1,111,752	17,190	125,661

[1] In addition, 63,711 tons of stone, valued at $92,062, was barged from a point 11 miles above the mouth to the jetties at the entrance of the bay.

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YAQUINA RIVER, OREG.—continued.

Vessel classification, 1921.

Class, enrolled and licensed.	Number.	Net tonnage.	Passengers.
Steamers—River	1	54	.....
Steamers—Towboats	1	24	.....
Gasoline	2	20	29,928
Total	4	98	[1] 29,928

[1] Passenger traffic consists mostly of ferriage from railroad terminal at Yaquina near the mouth of the river to Newport on the bay.

Maximum draft, 6 feet.

YAQUINA BAY AND HARBOR, OREG.

Comparative statement of traffic.[1]

BAR ONLY.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1895	24,589	.....	450	1909	(2)	.....	(2)
1896	17,883	.....	883	1910	(2)	.....	(2)
1897	15,364	.....	836	1911	(2)	.....	(2)
1898	10,380	.....	93	1912	(2)	.....	(2)
1899	5,990	.....	146	1913 [3]	14,860	$876,708	.....
1900	691	.....	135	1914 [3]	18,241	548,600	.....
1901	576	.....	52	1915	(2)	.....	(2)
1902	1,152	.....	47	1916 [3]	7,902	547,423	700
1903	835	.....	30	1917	(2)	(2)	(2)
1904	1,113	$67,826	90	1918	5,226	567,397	(2)
1905	573	49,180	24	1919	5,425	442,400	(2)
1906	582	29,700	.....	1920	6,270	1,229,856	236
1907	(2)	.....	(2)	1921	6,838	1,123,621	None.
1908	(2)	.....	(2)				

[1] The printed report does not give the comparative statement for the bay and harbor, but has included these statistics with the statement for Yaquina River. While some of the traffic over the bar passed over the lower part of the river, the greater part of the traffic stopped at the railroad terminus (Yaquina City) 4½ miles from the entrance. The inclosed statement shows the traffic over the bar.

[2] No statistics available.

[3] River traffic also.

[Navigation season, Jan. 1 to Dec. 31.]

Freight traffic, 1921.

BAR ONLY—DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities (package).	Amount in short tons, by classes.	Value. By commodities.	Value. By classes.
RECEIPTS, COASTWISE.				
Animal and animal products: Fish, fresh	1,732	1,732	$381,040	$381,040
Wood and paper: Lumber, including ties	1,383	1,383	16,596	16,596
Unclassified: Miscellaneous merchandise	3,723	3,723	725,985	725,985
Total	6,838	6,838	1,123,621	1,123,621

SUMMARY.

[Bar only.]

Classes of commodities.	Domestic, coastwise. Tons.	Domestic, coastwise. Value.
Animals and animal products	1,732	$381,040
Wood and paper	1,383	16,596
Unclassified: General merchandise	3,723	725,985
Total	[1] 6,838	1,123,621

[1] In addition, there is a small local commerce on the bay and river. See Yaquina River.

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YAQUINA BAY AND HARBOR, OREG.—continued.

Vessel classification, 1921.

Class.	Arrived.		Departed.		Passengers.
	Number.	Total registered tons.	Number.	Total registered tons.	
Coastwise, American:					
Steamers	2	212	2	212	None.
Gasoline	12	22,875	12	22,875	None.
Total	14	23,087	14	23,087	None.

Maximum draft of vessels crossing bar, 7 feet.

TILLAMOOK BAY AND BAR, OREG.

Comparative statement of traffic.

BAR ONLY.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1896	25,977	(1)	1,765	1909	25,025	$2,913,955	3,354
1897	29,405	(1)	900	1910	21,898	2,467,080	2,431
1898	35,885	(1)	1,000	1911 [2]	26,024	2,630,480	5,245
1899	26,835	(1)	480	1912	17,612	2,115,480	87
1900	17,640	(1)	1,198	1913	9,185	1,035,500	15
1901	21,147	(1)	1,048	1914	9,018	1,173,760	(1)
1902	24,883	(1)	1,702	1915	9,710	1,371,000	(1)
1903	16,862	(1)	1,440	1916	6,404	1,219,650	(1)
1904	13,823	$658,489	1,503	1917	1,054	146,730	(1)
1905	13,919	669,760	1,384	1918	(1)	(1)	(1)
1906	13,627	850,240	1,369	1919	180	29,300	(1)
1907	22,917	1,246,710	1,479	1920	119	38,420	(1)
1908	19,400	1,098,990	1,445	1921	(1)	(1)	(1)

[1] No statistics available.
[2] Railroad completed into Tillamook in the fall of 1911.

[Navigation season, Jan. 1 to Dec. 31.]

Freight traffic, 1921.

DOMESTIC—BAY ONLY.

Classes and commodities.	Amount in short tons by commodities (bulk).	Amount in short tons by classes.	Value.		Average haul	Rate per ton-mile.
			By commodities.	By classes.		
LOCAL.					*Miles.*	
Wood and paper		82,583		$618,333	10	(1)
Logs, towed	80,000		$600,000			
Piling, towed	1,000		5,600			
Cordwood	750		2,737			
Lumber, including ties	833		9,996			
Total	[2] 82,583	82,583		618,333		

[1] Handled by sawmill boats; no freight rates.
[2] Local traffic of the bay including Hoquarten Slough and tributaries of the bay.

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TILLAMOOK BAY AND BAR, OREG.—continued.

SUMMARY.

[Bar only.]

Classes and commodities.	Coastwise.		Local bay.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Wood and paper	(1)	(1)	82,583	$618,333	82,583	$618,333

[1] No bar traffic.

Vessel classifications, 1921.

Class.	Arrived.		Departed.	
	Number.	Tons.	Number.	Tons.
American, coastwise	None.		None.	

Class.	Number.	Net tonnage.	Passengers.
Local:			
Steamers	None.	None.	None.
Gasoline	4	30	None.

NEHALEM BAY, OREG.

Comparative statement of traffic.

BAR ONLY.

Year.	Tons.	Value.	Year.	Tons.	Value.
1911	(1)	(1)	1917		
1912	[2] 18,695	$379,877	1918		
1913	4,475	67,311	1919	(1)	(1)
1914	8,896	374,848	1920	3,085	$57,595
1915			1921	638	28,456
1916					

[1] No statistics available.
[2] Mostly lumber shipped by barge.

Passengers carried in 1912, 200.

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NEHALEM BAY, OREG.—continued.

[Navigation season, Jan. 1 to Dec. 31.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities (bulk).	Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
			By commodities.	By classes.		
LOCAL BAY TRAFFIC ONLY.						
Animals and animal product: Fish, fresh	500	500	$110,000	$110,000	*Miles.* 3	(1)
Wood and paper		45,453		330,723	3	(2)
Logs, towed	43,153		323,648			
Cordwood, barged	710		2,485			
Lumber, including ties	330		3,960			
Hog fuel (sawdust)	1,260		630			
Total	45,953	45,953		440,723		

[1] Handled by fish boats. [2] Handled by sawmill boats.

BAR ONLY.

Classes and commodities.	Amount in short tons, by commodities (package).	Amount in short tons, by classes.	Value.	
			By commodities.	By classes.
SHIPMENTS, COASTWISE.				
Animals and animal products: Fish, fresh	100	100	$22,000	$22,000
Wood and paper: Lumber, including ties	[1] 538	538	6,456	6,456
Total	638	638		28,456

[1] One cargo consigned to San Francisco, Calif.

SUMMARY.

Classes of commodities.	Coastwise.		Local bay.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animal and animal products	100	$22,000	500	$110,000	600	$132,000
Wood and paper	538	6,456	45,453	330,723	45,991	337,179
Total	638	28,456	45,953	440,723	46,591	469,179

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NEHALEM BAY, OREG.—continued.

Vessel classification, 1921.

Class.	Arrived.		Departed.	
	Number.	Net tons.	Number.	Net tons.
American coastwise, steamers	1	269	1	269
American coastwise, gasoline	5	50	5	50
Total	6	319	6	319

Local.	Number.	Net tonnage.	Passengers.
Gasoline	3	18	None.

CANAL AT THE CASCADES, COLUMBIA RIVER.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated logs.	
				Number.	Value.
1897 [1]	4,926	(2)	9,081	15	(2)
1898	18,676	(2)	30,327	136	(2)
1899	16,680	(2)	23,908	20	(2)
1900	17,630	(2)	30,639	80	(2)
1901	22,426	(2)	34,762		
1902	19,710	(2)	52,720		
1903	36,181	(2)	50,821		
1904	31,967	(2)	76,971		
1905	35,166	$2,285,725	64,403		
1906	46,883	2,813,040	133,070		
1907	53,770	3,226,200	89,239		
1908	54,954	3,297,240	86,615		
1909	34,168	2,050,000	70,482		
1910	32,794	1,927,352	93,639		
1911	38,063	2,543,799	96,810		
1912	41,778	4,034,315	84,925		
1913	32,419	3,155,061	63,447	800	$2,800
1914	42,904	3,095,215	74,291	1,000	3,500
1915	42,477	4,886,035	103,380		
1916	37,280	4,668,269	43,509		
1917	40,135	6,741,134	38,387		
1918	25,733	4,949,942	17,040		
1919	20,720	4,112,110	8,602		
1920	16,557	3,946,815	8,544	200	2,200
1921 [3]	5,424	795,741	4,523		

[1] Opened to navigation on Nov. 5, 1896; 1897 to 1913, fiscal years, and 1914 to date, calendar years.
[2] No statistics available.
[3] No commerce through canal from Jan. 12 to May 1, and May 9 to Sept. 1, on account of suspension of boat service to The Dalles, Oreg. Canal was closed by ice from Dec. 19 to 31, inclusive.

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CANAL AT THE CASCADES, COLUMBIA RIVER—continued.

[Navigation season continuous, except when river is closed by ice, which does not occur every year.]

Freight traffic, 1921.

DOMESTIC, INTERNAL.

Classes and commodities.	Amount in short tons, by commodities (package).	Amount in short tons, by classes.	Value.	
			By commodities.	By classes.
UPBOUND.				
Animals and animal products		68.63		$10,520
Cattle	24		$3,072	
Horses	42		6,972	
Sheep	1.05		176	
Miscellaneous live stock	.33		75	
Salmon, raw	1.25		225	
Vegetable food products		109		4,554
Wheat, grain	78		3,276	
Wheat, flour	11		880	
Hay	19		323	
Fruits and berries	1		75	
Wood and paper: Lumber	37.46	37.46	450	450
Unclassified: Miscellaneous merchandise	2,191.88	2,191.88	427,417	427,417
Total	2,406.97	2,406.97		442,941
DOWN BOUND.				
Animals and animal products		212.07		35,256
Cattle	50.50		6,464	
Horses	111.60		18,526	
Sheep	14.70		2,470	
Miscellaneous live stock	4.50		1,026	
Salmon, fresh	30.77		6,770	
Vegetable and food products		1,769.39		115,647
Wheat, grain	507.51		21,315	
Wheat, flour	30.92		2,474	
Hay	8		136	
Fruits and berries	1,222.96		91,722	
Textiles, wool	.20	.20	72	72
Unclassified: Miscellaneous merchandise	1,035	1,035	201,825	201,825
Total	3,016.66	3,016.66		325,800

No commerce through canal January 12 to May 1, 1921; May 9 to September 1, 1921, on account of suspension of only boat line operating to points above canal. Canal closed by ice December 19 to 30, 1921.

SUMMARY.

Classes of commodities.	Internal.	
	Tons.	Value.
Animals and animal products	280.70	$45,776
Vegetable food products	1,878.39	120,201
Textiles	0.20	72
Wood and paper	37.46	450
Unclassified: Miscellaneous merchandise	3,126.88	629,242
Total	5,423.63	795,741

VESSELS LOCKED THROUGH CANAL.

Classes.	Passage.	Lockages.	Net registered tonnage.	Passengers
Steamers	117	117	47,452	4,523
Gasoline boats	89	73	858	
Barges in tow of gasoline boats	12	6	600	
Rowboats and canoes	26	10	10	
Total	244	209	48,920	4,523

Maximum draft through canal, 7 feet.

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THE DALLES-CELILO CANAL, COLUMBIA RIVER, OREG. AND WASH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1915	8,394	$809,088	6,182	1919	462	$197,352	37
1916	8,684	1,126,639	2,106	1920	1,204	247,307	132
1917	5,308	855,060	1,286	1921 [1]			
1918	61	14,429	17				

[1] No commerce through the canal during the year 1921 on account of suspension of all river service above The Dalles.

Prior to the opening of the canal, May 5, 1915, the traffic was handled by the Oregon State Portage Railroad between The Dalles and Celilo, and included railroad and canal construction materials and supplies and only a small part of the traffic was handled by river boats which connected with the Portage Railroad. The following statement shows the traffic which actually passed through the canal since the opening, May 5, 1915.

[Navigation season continuous except when river is closed by ice, which does not occur every year.]

Freight traffic, 1921.

Owing to the suspension of all boat service above The Dalles, there was no freight carried through the canal during the year.

VESSELS LOCKED THROUGH THE CANAL.

	Passages.	Lockages.	Net registered tonnage.
Gasoline launches	21	20	88
Floating fish wheels, skiffs, and canoes	17	6	272
Total	[1] 38	26	360

[1] Of the 38 passages only 8 were through passage; the remainder were partial passages from the lower end of the canal to the fish wheels in the canal.

COLUMBIA RIVER AND TRIBUTARIES ABOVE CELILO FALLS TO MOUTH OF SNAKE RIVER, OREG. AND WASH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1907	7,776	$450,000	2,584	1915 [4]	8,394	$809,088	6,182
1908	1,349	45,415	([1])	1916	8,816	1,121,517	3,231
1909	8,471	535,480	([1])	1917	7,864	1,239,416	1,502
1910 [2]	13,530	562,367	900	1918	61	14,429	17
1911 [3]	16,411	671,294	1,049	1919	387	176,683	37
1912	7,124	615,646	1,060	1920	1,111	223,604	132
1913				1921 [5]			
1914							

[1] No statistics available.
[2] Includes 5,465 tons of stone for construction of railroad bridge below Kennewick.
[3] Includes 9,000 tons of stone for construction of railroad bridge below Kennewick.
[4] Dalles-Celilo Canal opened May 5, 1915. Oct. 31, 1912, to May 5, 1915, navigation entirely suspended.
[5] No commerce during year 1921. All boat service above The Dalles suspended during year.

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SNAKE RIVER, OREG., WASH., AND IDAHO.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1907	39,228	$1,430,300	14,540	1915	41,818	$1,347,937	1,465
1908	46,325	1,251,335	4,771	1916	43,497	1,921,434	2,115
1909	35,245	1,026,036	(1)	1917	57,718	3,772,676	1,538
1910	28,073	887,365	587	1918	21,258	1,650,713	954
1911	30,723	1,020,109	242	1919	17,508	1,239,124	835
1912	41,766	1,318,255	3,771	1920	29,868	2,311,756	936
1913	46,887	1,301,830	6,879	1921	26,861	1,232,040	1,009
1914	32,167	1,085,677	4,249				

[1] No statistics available.

[Navigation season, Jan. 1 to Dec. 31, except when closed by ice, which does not occur every year.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities (package).	Amount in short tons by classes.	Value. By commodities.	Value. By classes.	Average haul.	Rate per ton-mile.
UP AND DOWN BOUND, INTERNAL.					*Miles.*	
Animals and animal products		11		$2,803	60	$0.33
Hogs	1		$228			
Poultry	1		400			
Dogs	1		1,000			
Meats, fresh and cured	4		240			
Dairy products	1		275			
Fish, fresh	3		660			
Vegetable food products		26,359		1,111,015		
Wheat	25,525		1,072,050		30	(1)
Barley	742		31,164		30	(1)
Oats	4		168		60	.33
Other grains	2		84		60	.33
Flour	34		2,720		60	.33
Mill feed	23		529		60	.33
Vegetables	10		500		60	.33
Canned vegetables	19		3,800		60	.33
Textiles: Wool	307	307	110,520	110,520	60	.33
Wood and paper		71		1,182	60	.33
Cordwood	5		25			
Lumber	40		480			
Shingles	25		650			
Box shooks	1		27			
Nonmetallic minerals		85		1,060	60	.33
Coal, bituminous	2		24			
Petroleum products	3		222			
Cement and lime	2		34			
Salt	78		780			
Unclassified: General merchandise	28	28	5,460	5,460	60	.33
Total	26,861	26,861		1,232,040		

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	11	$2,803
Vegetable food products	26,359	1,111,015
Textiles	307	110,520
Wood and paper	71	1,182
Nonmetallic minerals	85	1,060
Unclassified: General merchandise	28	5,460
Total	26,861	1,232,040

[1] Nearly all handled by railroad-owned boats. No commerce on river below Riparia.

No freight traffic on river below Riparia during the calendar year 1921.

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SNAKE RIVER, OREG., WASH., AND IDAHO—continued.

Vessel classification, 1921.

Classes, enrolled and licensed.	River.	Net tonnage.	Passengers.
Steamers, railroad owned [1]	1	518	None.
Gasoline boats [2]	4	30	1,009
Total	5	548	1,009

[1] Transfers grain from warehouses on left bank to railroad on right bank, above Riparia to Couse Creek.
[2] Operate above Lewiston to Johnsons Bar, 100 miles.

COLUMBIA RIVER, VANCOUVER TO THE DALLES, OREG.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated logs.	Value.
1920 [1]	115,866	$10,201,589	8,727	138,345	$1,521,795
1921 [2]	344,625	7,296,053	4,809	110,952	832,140

[1] Prior to 1920 no commercial statistics were reported. There is no project for this stretch of river.
[2] The apparent increase of commerce for 1921 is due to more complete statistics than were obtained for 1920.

[Navigation season, Jan. 1 to Dec. 31.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL UP AND DOWN BOUND.					
Animals and animal products			333		$55,692
Cattle		71		$9,088	
Hogs		15		3,420	
Horses and mules		184		30,544	
Meats, fresh and cured		1		240	
Hides		62		12,400	
Vegetable food products			3,217		215,466
Wheat		21		882	
Flour		34		2,720	
Hay		162		2,754	
Mill feed		95		2,185	
Vegetables, including potatoes, fresh		438		21,900	
Fruit and berries		2,467		185,025	
Wood and paper			307,043		5,253,609
Logs, towed	110,952			832,140	
Cordwood		347		1,267	
Lumber, including ties		805		9,660	
Pulp wood	509			3,054	
Hog fuel (sawdust)	138,735			76,304	
Shingles		1		26	
Manufactures of wood		48		4,800	
Wood pulp	20,044			801,760	
Paper, including roofing felt		35,602		3,524,598	
Nonmetallic minerals			134,843		365,895
Coal, anthracite		15		300	
Fuel oil (barged)	20,201			242,412	
Asphalt and bitumen		1		28	
Sand and gravel (barged)	111,789			74,899	
Cement lime and plaster		2,758		46,886	
Brick		29		220	
Sulphur		50		1,150	

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COLUMBIA RIVER, VANCOUVER TO THE DALLES, OREG.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amounts in short tons, by commodities.		Amounts in short tons, by classes.	Value.	
	Up-bound.	Down-bound.		Up-bound.	Down bound.
INTERNAL, UP AND DOWN BOUND—contd.					
Ores, metals, and manufactures of			733		$72,692
Iron and steel, all kinds, including hardware, castings, tools, etc.		636		$38,160	
Plumbing and pipe fittings		97		34,532	
Machinery and vehicles			992		570,364
Other machinery		460		111,780	
Automobiles, etc.		532		458,584	
Chemicals: Alum		491	491	49,100	49,100
Unclassified: Miscellaneous merchandise		7,925	7,925	1,545,375	1,545,375
Total	402,230	53,347	455,577		8,128,193

NOTE.—Bulk shipments handled by boats owned by Paper Mills Co. with mill at Camas, Wash.

SUMMARY.

Classes of commodities.	Tons.	Value.	Classes and commodities.	Tons.	Value.
Animals and animal products	333	55,692	Machinery and vehicles	992	$570,364
Vegetable food products	3,217	215,456	Chemicals	491	49,100
Wood and paper	307,043	5,253,609	Unclassified (miscellaneous merchandise)	7,925	1,545,375
Nonmetallic minerals	134,843	365,895	Total	455,577	8,128,193
Ores, metal, and manufactures of	733	72,692			

Vessel classification, 1921.

Classes.	Number plying in sections of river.	Net tonnage.	Passengers.
Steamers	14	3,893	4,809
Gasoline	10	80	
Total	24	3,973	4,809

SIUSLAW RIVER, OREG.

Comparative statement of traffic.

[Bar only.]

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1892 (fiscal year)	2,381	(1)	(1)	1902	25,213	(1)	(1)
1893 (fiscal year)	7,000	(1)	(1)	1903	25,337	(1)	222
1894 (fiscal year)	8,050	(1)	(1)	1904	24,816	$584,165	204
1895 (fiscal year)	15,296	(1)	(1)	1905	13,090	259,164	10
1896	7,184	(1)	(1)	1906	14,344	358,890	23
1897	2,239	(1)	(1)	1907–1911 [1]			
1898	4,350	(1)	(1)	1912	5,927	479,809	242
1899	4,907	(1)	(1)	1913	32,995	1,495,841	(1)
1900	18,675	(1)	(1)	1914	37,209	1,255,627	(1)
1901	22,351	(1)	(1)	1915	6,757	442,060	47
				1916	4,605	478,068	5
				1917	164	9,031	(1)
				1918–1920 [1]			
				1921	2,283	45,696	None.

[1] No statistics available.

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SIUSLAW RIVER, OREG.—continued.

The lack of commerce from 1915 to 1920 was due to the suspencion of sawmill operations on the river, because of the scarcity of lumber carriers for ocean commerce, and depressed lumber market.

In addition to the commerce over the bar, there is a small local commerce on the river between Florence and Cushman, the point where the railroad crosses the river.

[Navigation season, Jan. 1 to Dec. 31.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Unclassified: General merchandise	.....	100	100	$19,500	$19,500
SHIPMENTS, COASTWISE.					
Wood and paper: Lumber, including ties	2,183	.....	2,183	26,196	26,196
Total	2,183	100	2,283	.....	45,696

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
LOCAL—UP AND DOWN BOUND.						*Miles.*	
Animal and animal products	.....	.....	304	.....	$89,230	4	$0.50
Dairy products	.....	50	.....	$13,750	.....	.....	.....
Fish, fresh	.....	114	.....	25,080	.....	.....	.....
Canned fish	.....	140	.....	50,400	.....	.....	.....
Vegetable food products	.....	.....	462	.....	12,600	4	.50
Flour	.....	40	.....	3,200	.....	.....	.....
Hay	.....	200	.....	3,400	.....	.....	.....
Mill feed	.....	200	.....	4,600	.....	.....	.....
Vegetables	.....	10	.....	500	.....	.....	.....
Fruit and berries	.....	12	.....	900	.....	.....	.....
Wood and paper	.....	.....	38,868	.....	357,872	.....	.....
Logs, towed	29,721	.....	.....	222,908	.....	6	(1)
Lumber, including ties	7,347	.....	.....	88,164	.....	1	(1)
Shingles	.....	1,800	.....	46,800	.....	4	(1)
Total	37,068	2,566	39,634	.....	459,702	.....	.....

[1] Towed by mill companies' towboats.

All of the above commerce was carried on the river above Florence, which is located 4 miles above the entrance. The commerce other than wood products is carried between the railroad at Cushman and Florence, 4 miles below.

SUMMARY.

Classes of commodities.	Coastwise.		River.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	.....	.....	304	$89,230	304	$89,230
Vegetable food products	.....	.....	462	12,600	462	12,600
Wood and paper	2,183	$26,196	38,868	357,872	41,051	384,068
Unclassified: General merchandise	100	19,500	.....	.....	100	19,500
Total	2,283	45,696	39,634	459,702	41,917	505,398

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SIUSLAW RIVER, OREG.—continued.

Vessel classification, 1921.

Class.	Arrived.		Departed.	
	Number.	Net tonnage.	Number.	Net tonnage.
American, coastwise, gasoline	3	1,149	3	1,149

Local, river—Class enrolled and licensed.	Number.	Net tonnage.
Gasoline launches	5	50

UMPQUA RIVER, OREG.

Comparative statement of traffic.

(Bar only.)

Year.	Tons.	Value.	Year.	Tons.	Value.
1896	38,353	$254,950	1912	67,993	(1)
1897-1901	(1)	(1)	1913	83,401	(1)
1902	60,912	375,000	1914	66,405	(1)
1903-1907	(1)	(1)	1915-1920	(1)	(1)
1908	77,303	555,000	1921	3,456	$41,472
1909-1911	(1)	(1)			

[1] No statistics available.

[Navigation season, Jan. 1 to Dec. 31.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities (bulk).	By classes.	By commodities.	By classes.
SHIPMENTS, COASTWISE.				
Wood and paper: Lumber, including ties	3,456	3,456	$41,472	$41,472

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
LOCAL.						Miles.
Animals and animal products			440		$101,940	10
Cattle		125		$16,000		
Hogs		5		1,140		
Meats, fresh		5		1,200		
Dairy products		300		82,500		
Fish, fresh		5		1,100		
Vegetable food products			216		5,402	10
Wheat		5		210		
Oats		1		42		
Hay, and mill feed		100		3,250		
Vegetables		100		1,150		
Fruit and berries		10		750		
Wood and paper			51,944		413,628	
Logs (towed)	46,600			349,500		15
Lumber	5,344			64,128		15
Total	51,944	656	52,600		520,970	

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UMPQUA RIVER, OREG.

SUMMARY.

Classes of commodities.	Coastwise.		River.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and vegetable products			440	$101,940	440	$101,940
Vegetable food products			216	5,402	216	5,402
Wood and paper	3,456	$41,472	51,944	413,628	55,400	455,100
Total	3,456	41,472	52,600	520,970	56,056	562,442

Vessel classification, 1921.

Class.	Arrived.		Departed.	
	Number.	Net tonnage.	Number.	Net tonnage.
American, coastwise, steam tugs	2	378	2	378
American, coastwise, gasoline barges	2	1,350	2	1,350
Total	4	1,728	4	1,728

Local, river, class enrolled and licensed.	Number.	Net tonnage.
Gasoline launches	4	32

COOS BAY, OREG.

Comparative statement of traffic.

(Bar only.)

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1895 [1]	126,764	(2)	(2)	1909	281,008	$7,968,610	15,453
1896	144,934	(2)	4,209	1910	242,969	7,377,088	12,393
1897	115,679	(2)	3,343	1911	303,008	7,079,617	11,875
1898	103,039	(2)	2,876	1912	406,727	8,519,550	13,789
1899	116,567	(2)	2,978	1913	473,376	8,462,577	13,706
1900	104,294	(2)	3,538	1914	520,409	10,508,766	21,994
1901	97,500	(2)	3,216	1915	448,447	7,507,564	13,038
1902	122,232	(2)	3,226	1916	466,100	6,201,013	[3] 4,115
1903	135,178	(2)	5,003	1917	446,062	7,121,686	5,641
1904	136,958	$3,557,984	5,437	1918	323,369	5,889,783	555
1905	178,945	3,901,806	9,598	1919	282,591	7,910,779	2,292
1906	184,455	5,900,117	9,032	1920	378,587	10,823,340	1,828
1907	167,562	6,479,022	13,908	1921 [4]	273,206	4,729,349	732
1908	216,631	7,077,140	16,335				

[1] Freight in transit, 1,780.
2 No statistics available.
[3] Decrease due to completion of railroad to Coos Bay.
[4] Includes 4,949 tons (valued at $59,338) of lumber to foreign ports, the first foreign shipment of record The decrease of commerce for the year is due to decreased coastwise shipments of lumber.

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COOS BAY, OREG.—continued.

[Navigation season, Jan. 1 to Dec. 31.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Wood and paper: Lumber, including ties	4,949	4,949	$59,388	$59,388

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.						*Miles.*	
Animals and animal products			380		$86,845	376	$0.06
Dairy products, including eggs, etc		50		$16,225			
Fish, fresh		321		70,620			
Vegetable food products			623		26,727	335	.012
Wheat		373		15,666			
Hay		83		1,411			
Vegetables and potatoes (fresh)		115		5,750			
Fruit and berries		52		3,900			
Wood and paper			65		1,550	600	.0067
Lumber, including ties		10		120			
Shingles		55		1,430			
Nonmetallic minerals			12,437		154,924	335	.0159
Coal, bituminous		5		60			
Fuel oil	11,296			135,552			
Cement, lime, and plaster		1,136		19,312			
Machinery and vehicles: Machinery, steam, gas, electrical		37	37	8,991	8,991	335	.0128
Unclassified: Miscellaneous merchandise		5,370	5,370	1,047,150	1,047,150	335	.0133
Total receipts, coastwise	11,296	7,616	18,912	1,326,187	1,326,187		
SHIPMENTS, COASTWISE.							
Animals and animal products			121		29,095	335	.0133
Dairy products, including eggs, etc		45		12,375			
Fish, fresh		76		16,720			
Wood and paper			247,565		2,995,461	600	.0067
Cordwood		248		905			
Lumber, including ties	242,699			2,912,388			
Lath		3,789		60,624			
Shingles		829		21,544			
Nonmetallic minerals: Coal, bituminous		25	25	300	300	335	.0159
Machinery and vehicles: Machinery, steam, gas, electrical		6	6	1,458	1,458	335	.0133
Unclassified: General merchandise		1,628	1,628	317,460	317,460	335	.0133
Total shipments, coastwise	242,699	6,646	249,345		3,343,774		
Total receipts and shipments, coastwise	253,995	14,262	268,257		4,669,961		

Passengers, coastwise: Arriving, 314; departing, 418.

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COOS BAY, OREG.—continued.

SUMMARY.

Classes of commodities.	Foreign.		Coastwise.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			501	$115,940	501	$115,940
Vegetable food products			623	26,727	623	26,727
Wood and paper	4,949	$59,388	247,630	2,997,011	252,579	3,056,399
Nonmetallic minerals			12,462	155,224	12,462	155,224
Machinery and vehicles			43	10,449	43	10,449
Unclassified: General merchandise			6,998	1,364,610	6,998	1,364,610
Total	4,949	59,388	268,257	4,669,961	273,206	4,729,349

Vessel classification, 1921.

Ocean going.	Times entered and cleared.	Net tonnage.	Passengers.
Entered from foreign ports	1	1,188	
Entered from coastwise ports	234	171,006	314
Total entrances	235	172,194	314
Cleared to foreign ports	3	3,535	
Cleared to coastwise ports	230	165,971	418
Total clearances	233	169,506	732
Grand total, entrances and clearances	468	341,700	732

The 467 ocean entrances and clearances were made by 37 vessels loaded to drafts as follows:

Under 10 feet	5
10 to 15 feet	4
15 to 17 feet	10
17 to 20 feet	16
20 to 21 feet	2
Total (20,190 net registered tons)	37

Usual limits of draft for loaded ocean-going craft, 18 feet in winter and 21 feet in summer.

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PORTLAND, OREG., SECOND DISTRICT.

COLUMBIA RIVER AT THE MOUTH.

All of the ocean-going vessels, and the foreign and coastwise commerce, reported in the following tables under "Columbia and Lower Willamette Rivers below Vancouver, Wash., and Portland, Oreg.," apply to the mouth of Columbia River, Oreg. and Wash.

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.

Comparative statement of traffic.

Year.	Handled by ocean-going vessels.			Handled by inland river vessels.			Total.			Rafted timber.	
	Tons.	Value.	Passengers.	Tons.	Value.	Passengers.	Tons.	Value.	Passengers.	Tons.	Value.
1893	312,790	(1)	(1)	1,025,440	(1)	(1)	1,338,230	(1)	(1)	285,426	(1)
1894	393,064	(1)	(1)	1,081,490	(1)	(1)	1,474,554	(1)	(1)	265,665	(1)
1895	436,192	(1)	(1)	800,699	(1)	(1)	1,236,891	(1)	(1)	239,323	(1)
1896	378,113	(1)	(1)	508,595	(1)	(1)	886,708	(1)	(1)	621,078	(1)
1897	337,757	(1)	(1)	1,032,150	(1)	(1)	1,369,907	(1)	(1)	467,187	(1)
1898	516,594	(1)	(1)	710,756	(1)	(1)	1,227,350	(1)	(1)	410,405	(1)
1899	372,387	(1)	(1)	768,238	(1)	(1)	1,140,625	(1)	(1)	721,470	(1)
1900	522,290	(1)	(1)	693,343	(1)	(1)	1,215,633	(1)	(1)	594,239	(1)
1901	669,284	(1)	(1)	797,356	(1)	(1)	1,466,640	(1)	(1)	737,424	(1)
1902	1,131,426	(1)	(1)	939,492	(1)	(1)	2,070,918	(1)	(1)	627,844	(1)
1903	832,184	(1)	(1)	703,960	(1)	(1)	1,536,144	(1)	(1)	892,260	(1)
1904	778,328	$27,281,302	(1)	853,614	$27,094,183	(1)	1,631,942	$54,375,485	(1)	1,051,837	$3,681,496
1905	946,805	31,786,607	(1)	1,079,003	22,074,448	(1)	2,065,124	53,861,005	(1)	1,234,150	4,687,891
1906	1,200,973	34,407,991	(1)	900,674	20,999,112	(1)	2,101,647	55,407,103	(1)	1,430,447	5,378,528
1907	1,664,717	45,000,000	(1)	1,491,734	26,515,916	(1)	3,156,451	71,515,916	(1)	1,095,230	5,067,888
1908	1,688,331	43,000,000	(1)	1,683,740	22,836,438	(1)	3,372,071	68,836,438	(1)	1,243,301	4,673,037
1909	1,597,787	40,200,874	(1)	1,448,832	25,747,507	(1)	3,046,619	65,948,381	(1)	1,416,389	7,514,224
1910	2,440,956	39,765,404	(1)	3,042,368	17,783,397	(1)	5,483,324	57,548,801	(1)	2,350,949	7,383,205
1911	2,449,297	52,104,230	(1)	4,008,853	25,934,175	(1)	6,458,150	78,038,405	(1)	1,542,764	5,119,203
1912	2,697,987	56,800,756	(1)	2,423,119	20,727,190	(1)	5,121,106	77,527,946	(1)	1,719,553	8,433,799
1913	3,089,218	66,599,192	(1)	2,286,124	22,869,792	(1)	5,375,342	89,468,984	(1)	2,548,560	12,589,780
1914	2,719,080	68,042,038	(1)	3,270,929	23,832,199	(1)	5,990,009	91,874,237	(1)	2,953,254	8,144,056
1915	2,543,521	86,053,771	123,848	2,959,107	20,121,480	301,869	5,502,268	106,175,251	425,717	1,705,827	6,774,852
1916	2,293,592	61,969,174	53,210	1,935,447	29,462,113	279,486	4,229,039	91,431,287	331,696	2,281,940	9,067,893
1917	2,357,863	95,167,069	60,665	1,747,382	33,037,266	265,834	4,105,245	128,204,335	326,499	2,579,299	15,367,087
1918	1,970,866	77,419,048	16,992	1,150,335	38,107,601	259,754	3,121,201	115,526,649	276,746	2,539,836	18,963,760
1919	2,317,734	110,703,687	11,044	944,406	50,414,970	233,051	3,262,140	161,118,657	244,095	2,519,508	25,083,877
1920	2,916,039	170,586,294	24,868	1,566,247	52,380,150	248,911	4,482,286	222,966,444	273,779	2,772,009	30,480,443
1921	3,633,279	163,227,916	14,621	1,499,879	80,652,154	164,347	5,133,158	193,880,070	178,968	2,203,044	16,437,949

[1] No statistics available.

The decrease in inland river tonnage since 1915 was due to completion of rock deliveries to Government jetties.

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COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.—continued.

[Navigation season: Opened Jan. 1; closed Dec. 31.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products		396		$193,200
Furs and skins	57		$125,400	
Hides	339		67,800	
Vegetable food products		7,864		1,578,005
Coffee	1,457		412,331	
Copra	1,542		154,200	
Fruits, fresh	434		32,550	
Groceries	776		198,656	
Oil, linseed	201		42,210	
Oil, vegetable	82		6,478	
Peanuts	996		199,200	
Rice	257		30,840	
Soyabean, cake	1,146		45,840	
Spices	10		5,000	
Sugar	20		2,000	
Tapioca	60		7,200	
Tea	883		441,500	
Other vegetable products		1,871		207,042
Arsenic, crude	192		17,088	
Cigars and tobacco	26		41,184	
Seeds	1,653		148,770	
Textiles		5,194		2,572,560
Bags and burlap	1,164		203,700	
Carpets and rugs	166		298,800	
Hair, human	219		657,000	
Hemp	294		38,220	
Matting	80		19,280	
Silks	23		186,300	
Wool	3,248		1,169,280	
Wood and paper		1,927		189,209
Baskets	39		21,060	
Furniture	65		17,290	
Lumber, hardwood	502		20,080	
Paper	1,321		130,779	
Nonmetallic minerals		7,824		437,964
Coal and coke	3,868		40,614	
Crockery ware	5		2,250	
Glass, window	3,951		395,100	
Ores, metals and manufactures		2,874		137,909
Iron, pig	1,775		53,250	
Ore, manganese	50		4,250	
Steel	1,022		61,320	
Tin	27		19,089	
Chemicals		304		33,939
Fireworks	72		28,728	
Nitrate of soda	19		418	
Soda-ash	213		4,793	
Unclassified		353		450,904
Curios	675		351,000	
Matches	82		26,076	
Toys	96		73,728	
Total imports		29,107		5,900,652
EXPORTS.				
Animals and animal products		6,246		1,483,34[illegible]
Fish, canned	3,471		919,815	
Hides	1,522		304,400	
Meats, canned	98		44,933	
Milk, canned	1,015		203,000	
Tallow	140		11,200	
Vegetable food products		1,283,455		61,355,554
Barley	5,356		171,392	
Flour	148,711		11,896,888	
Fruits and vegetables, canned	8,922		1,784,400	
Fruit juices	7		2,240	
Groceries	2,083		533,248	
Mill feed	114		2,622	
Oats	263		10,525	
Rye	191		6,303	
Wheat	1,117,808		46,947,936	

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COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Other vegetable products		1,015		$527,730
Bark, cascara	93		$10,230	
Hops	852		511,200	
Seeds	70		6,300	
Textiles: Cotton	1,000	1,000	287,000	287,000
Wood and paper		397,108		4,939,586
Cases and fillers, egg	182		7,280	
Doors	102		11,730	
Lumber	395,000		4,740,000	
Paper	1,824		180,576	
Nonmetallic minerals		1,021		259,496
Fire brick and fire clay	181		1,448	
Graphites	392		78,400	
Paraffine, wax	448		179,648	
Ores, metals and manufactures		7,076		508,389
Hardware, general	40		12,000	
Steel	6,829		409,740	
Tin	107		75,649	
Zinc	100		11,000	
Machinery and vehicles		11,810		1,407,893
Automobiles and parts	95		81,890	
Cars, railroad, secondhand	7,962		414,024	
Machinery, boilers, etc	3,753		911,979	
Chemicals		481		91,004
Chemicals, assorted	312		46,800	
Explosives	112		27,104	
Paints	57		17,100	
Total exports		1,709,212		70,860,000
Total imports and exports		1,738,319		76,660,652

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products			14,003		$3,826,442
Cheese		256		$102,400	
Fish, canned		5,496		1,456,440	
Lard and lard substitutes		7,246		2,173,800	
Milk, canned		416		83,200	
Shells, oyster		589		10,602	
Vegetable food products			56,640		7,673,643
Barley		902		28,864	
Beverages		101		14,140	
Coffee		3,273		926,259	
Confectionery		805		402,500	
Corn		200		8,400	
Fruits and vegetables, canned		9,660		1,932,000	
Fruits and vegetables, fresh		3,646		218,760	
Glucose		107		8,560	
Groceries		2,230		570,880	
Nuts		323		96,900	
Oil, cooking		170		34,000	
Pulp, vegetable		1,915		49,790	
Rice		1,436		172,320	
Sugar		29,997		2,999,700	
Sirup		1,773		159,570	
Tea		102		51,000	

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COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amounts in short tons, by commodities.		Amounts in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE—continued.					
Other vegetable products			3,029		$3,010,060
Cigars and tobacco		1,520		$2,407,680	
Drugs		970		194,000	
Dyestuffs		104		41,600	
Rubber, crude		146		58,400	
Rubber goods		187		299,200	
Seeds		102		9,180	
Textiles			22,925		7,158,825
Bags and burlap		2,392		418,600	
Carpets and rugs		105		189,000	
Dry goods		890		2,670,000	
Fibers		165		21,450	
Linoleum		760		247,000	
Merchandise		17,775		3,466,125	
Twine and cordage		838		146,650	
Wood and paper			4,533		654,086
Furniture		403		107,198	
Lumber	1,423			17,076	
Paper		1,188		117,612	
Paper boxes		1,248		249,600	
Stationery		271		162,600	
Nonmetallic minerals			1,061,534		28,013,025
Asphaltum		7,343		205,604	
Cement		31,443		503,088	
Coal	3,260			34,230	
Gasoline	238,490			17,648,260	
Glassware		137		49,320	
Greases, lubricating		192		26,880	
Lime		245		7,350	
Oil, fuel	760,107			9,120,284	
Oil, kerosene	245			9,800	
Oil, lubricating		1,265		126,500	
Salt		11,604		116,040	
Sulphur		7,203		165,669	
Ores, metals, and manufactures			50,555		4,646,535
Copper and brass		349		157,050	
Electrical supplies		1,764		705,600	
Hardware, general		1,836		550,800	
Steel	45,931			2,755,860	
Tin		675		477,225	
Machinery and vehicles			2,968		965,110
Automobiles and parts		394		339,628	
Machinery, boilers, etc		2,574		625,482	
Chemicals			9,363		1,970,742
Chemicals, assorted		1,926		288,900	
Explosives		201		48,642	
Paints		4,676		1,402,800	
Soap		2,560		230,400	
Unclassified			2,255		630,766
Ink		155		22,630	
Pianos and musical instruments		204		408,000	
Toys		122		93,696	
Miscellaneous		1,774		106,440	
Total	1,049,456	178,349	1,227,805		58,549,234
SHIPMENTS, COASTWISE.					
Animals and animal products			18,155		3,874,145
Cheese		174		69,600	
Fish, canned		12,593		3,337,145	
Milk, canned		1,659		331,800	
Hides		441		88,200	
Infusorial earth		648		16,200	
Oil, fish		2,400		12,000	
Tallow		240		19,200	
Vegetable food products			98,099		7,774,941
Barley		106		3,393	
Beverages		149		20,860	
Confectionery		148		74,000	
Flour		53,852		4,308,160	
Fruits, fresh		1,046		78,450	
Fruit juices		100		32,000	
Groceries		195		49,920	

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COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amounts in short tons, by commodities.		Amounts in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS, COASTWISE—continued.					
Vegetable food products—Continued.					
Hay		1,451		$24,667	
Millfeed		17,925		412,275	
Oats		3,769		150,760	
Vegetables, canned		10,138		2,230,360	
Vinegar		102		7,140	
Wheat		9,118		382,956	
Other vegetable products			1,026		$96,970
Bark, cascara		169		18,590	
Rubber, scrap		125		12,500	
Seeds		732		65,880	
Textiles			15,068		3,517,945
Bags and burlap		145		25,375	
Drygoods		122		366,000	
Hair, goat		240		84,720	
Merchandise		13,334		2,600,130	
Wool		1,227		441,720	
Wood and paper			517,119		9,664,754
Doors		257		29,555	
Furniture		507		134,862	
Lumber	477,000			5,724,000	
Paper		37,691		3,731,409	
Staves and shooks		1,664		44,928	
Nonmetallic minerals: Oil, lubricating		172	172	17,200	17,200
Ores, metals and manufactures			11,687		1,907,440
Cans, tin		3,100		868,000	
Hardware, general		466		139,800	
Lead		5,739		688,680	
Steel	681			40,860	
Tin, scrap		1,701		170,100	
Machinery and vehicles			3,943		1,041,095
Automobiles and parts		134		115,508	
Machinery, boilers, etc		3,809		925,587	
Chemicals: Soap		346	346	31,140	31,140
Unclassified: Miscellaneous		1,540	1,540	92,400	92,400
Total	477,681	189,474	667,155		28,018,030
Total receipts and shipments	1,527,137	367,823	1,894,960		86,567,264

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
COMBINED UP AND DOWN BOUND, INTERNAL.						*Miles.*	
Animals and animal products			20,294		$4,554,135		
Cattle		2,313		$296,064		100	$0.062
Dairy products: Milk, cream, butter, eggs, cheese, etc		6,037		1,660,175		100	.094
Fish		9,828		2,162,160		100	.048
Hides		185		37,000		100	.048
Hogs		233		53,124		100	.079
Horses		750		124,500		100	.052
Meats, fresh and cured		859		206,160		100	.094
Sheep		89		14,952		100	.079
Vegetable food products			43,296		1,824,554		
Flour		2,310		184,800		100	.048
Fruits, fresh		5,334		400,050		100	.094
Grain, all kinds		18,533		778,386		100	.048
Hay		4,500		76,500		100	.056
Mill feed		9,116		209,668		100	.048
Vegetables		3,503		175,150		100	.094
Other vegetable products: Hops		85	85	51,000	51,000	100	.056

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COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
COMBINED UP AND DOWN BOUND, INTERNAL—continued.						*Miles.*	
Textiles			23,851		$4,671,075		
Merchandise		23,729		$4,627,155		100	$0.094
Wool		122		43,920		100	.094
Wood and paper			2,657,938		28,940,519		
Logs, rafted	2,158,370			16,187,775		70	.008
Manufactures of wood		359		35,900		100	.094
Paper		109,088		10,799,712		30	.008
Paper base stock	20,055			802,200		45	.006
Piling, rafted	44,674			250,174		70	.008
Sawdust	265,607			199,273		30	.004
Shingles		1,513		40,338		100	.045
Timbers, sawed	49,435			593,220		100	.015
Wood, for fuel	8,747			3,927		100	.045
Nonmetallic minerals			928,548		2,449,760		
Asphalt		1,284		35,952		100	.048
Brick	648			4,925		100	.048
Coal		732		7,686		100	.048
Gasoline, and light products		1,678		124,172		80	.060
Lime, plaster, and cement		4,975		84,575		100	.048
Oil, fuel	137,968			1,655,616		100	.006
Sand and gravel	608,374			407,611		50	.006
Stone	172,390			115,501		50	.006
Sulphur		50		1,150		100	.056
Tiles	449			12,572		100	.048
Ores, metals, and manufactures			7,001		842,156		
Iron and steel, all kinds	5,575			334,500		100	.048
Pipe, pipe fittings, and plumbing goods		1,426		507,656		100	.048
Machinery and vehicles			4,196		1,020,060		
Agricultural implements and vehicles		432		105,408		100	.094
Machinery, boilers, etc.		3,764		914,652		100	.094
Chemicals: Alum		491	491	49,100	49,100	100	.056
Unclassified			17,223		2,687,744		
Automobiles		1,855		1,599,010		100	.156
Household goods		809		215,194		100	.094
Miscellaneous		14,559		873,540		100	.056
Total	3,472,382	230,541	3,702,923		47,090,103		

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Animals and animal products	396	$198,200	6,246	$1,483,348
Vegetable food products	7,864	1,578,005	1,283,455	61,355,554
Other vegetable products	1,871	207,042	1,015	527,730
Textiles	5,194	2,572,580	1,000	287,000
Wood and paper	1,927	189,209	397,108	4,939,586
Nonmetallic minerals	7,824	437,964	1,021	259,496
Ores, metals, and manufactures	2,874	137,909	7,076	508,389
Machinery and vehicles			11,810	1,407,893
Chemicals	304	33,939	481	91,004
Unclassified	853	450,804		
Total	29,107	5,800,652	1,709,212	70,860,000

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COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.—continued.

SUMMARY—Continued.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Internal.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	32,158	$7,700,587	20,294	$4,554,135	59,094	$13,931,270
Vegetable food products	154,739	15,448,584	43,296	1,824,554	1,489,354	80,206,697
Other vegetable products	4,055	3,107,030	85	51,000	7,026	3,892,802
Textiles	37,993	10,676,770	23,851	4,671,075	68,038	18,207,425
Wood and paper	521,652	10,318,840	2,657,938	28,940,519	3,578,625	44,388,154
Nonmetallic minerals	1,061,706	28,030,225	928,548	2,449,760	1,999,099	31,177,445
Ores, metals, and manufactures	62,242	6,553,975	7,001	842,156	79,193	8,042,429
Machinery and vehicles	6,911	2,006,205	4,196	1,020,060	22,917	4,434,158
Chemicals	9,709	2,001,882	491	49,100	10,985	2,175,925
Unclassified	3,795	723,166	17,223	2,687,744	21,871	3,861,714
Total	1,894,960	86,567,264	3,702,923	47,090,103	7,336,202	210,318,019

NOTE.—The internal traffic includes 2,203,044 tons of rafted timbers, valued at $16,437,949. It also includes 125,122 tons of sawdust, valued at $93,841, and 13,050 tons of stone, valued at $8,743, used in connection with works of river and harbor improvement.

Freight traffic not included in the foregoing tables. Cargoes in transit, 373,450 tons, valued at $39,219,900.

Statistics for general ferry traffic are not available. There is no car-ferry traffic at this locality.

Passenger traffic, 1921.

From foreign ports	170
To foreign ports	197
From coastwise ports	6,300
To coastwise ports	7,954
Internal, in addition to above	164,347
Total	178,968

Vessel traffic, 1921.

	Times entered and cleared.	Total net registered tonnage.
OCEAN GOING.		
Entered from foreign ports	156	606,681
Entere from coastwise ports	1,022	2,118,605
Tot l	1,178	2,725,286
Cleared to f reign p rts	326	1,184,964
Cleared to coastwise ports	832	1,459,763
Total	1,158	2,644,727
Total	2,336	5,370,013

	Number operated.	Total net registered tonnage.
INLAND RIVER.		
Freight and passenger	19	3,445
Towing	48	8,782
Total	67	12,227

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COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.—continued.

Drafts of ocean-going vessels.

Actual loaded draft (feet).	Number of entrances.	Number of clearances.	Total.
Unknown	88	99	187
Under 10 feet	77	44	121
From 10 to 15 feet	208	173	381
From 15 to 20 feet	530	218	748
From 20 to 25 feet	166	436	602
From 25 to 26 feet	20	88	108
From 26 to 27 feet	25	41	66
From 27 to 28 feet	30	28	58
From 28 to 29 feet	29	19	48
From 29 to 30 feet	5	11	16
From 30 to 31 feet	.....	1	1
	1,178	1,158	2,336

Usual limits of drafts for loaded vessels: Ocean going, 29 feet; inland river, 7 feet.

CLATSKANIE RIVER, OREG.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated and rafted timber.	
				Tons.	Value.
1896	20,000	(1)	(1)	97,242	(1)
1897	(1)	(1)	(1)	(1)	(1)
1898	20,983	(1)	12,250	132,274	(1)
1899	17,186	(1)	5,210	50,940	(1)
1900	43,420	(1)	5,305	45,208	(1)
1901	6,002	(1)	2,136	45,965	(1)
1902	4,332	(1)	1,180	19,458	(1)
1903	2,747	(1)	494	23,018	(1)
1904	8,381	$402,290	525	10,480	$41,920
1905	15,208	562,600	54	46,770	187,080
1906	5,679	197,990	(1)	4,660	18,640
1907	5,615	197,528	502	17,310	83,088
1908	7,805	227,188	422	38,577	154,304
1909	4,203	337,951	271	55,724	286,528
1910	5,963	326,244	310	61,094	183,608
1911	8,254	472,832	471	30,688	99,736
1912	9,131	497,339	274	24,563	118,399
1913	7,620	653,809	310	17,784	88,920
1914	8,565	478,633	882	(1)	(1)
1915	8,921	396,759	678	569	2,276
1916	8,313	474,263	606	5,594	22,376
1917	15,623	1,144,598	2,142	301	1,806
1918	14,895	1,277,265	2,350	39,078	391,547
1919	23,763	1,996,259	2,762	78,268	780,996
1920	16,327	890,128	181	94,048	1,033,981
1921	10,409	660,251	444	130,610	979,575

[1] No statistics available.

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CLATSKANIE RIVER, OREG.—continued.

[Navigation season: Opened Jan. 1; closed Dec. 31.]

Freight traffic, 1922.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
COMBINED UP AND DOWN BOUND, INTERNAL.						*Miles.*	
Animals and animal products			383		$81,987		
Cattle		115		$14,720		68	$0.092
Dairy products: Milk, cream, butter, eggs, cheese, etc		157		43,175		68	.138
Fish		46		10,120		68	.057
Hides		10		2,400		68	.082
Horses		22		3,652		68	.076
Meats, fresh and cured		33		7,920		68	.138
Vegetable food products			1,925		69,384		
Flour		198		15,840		68	.071
Grain, all kinds		389		16,338		68	.070
Hay		251		4,267		68	.057
Mill feed		793		18,239		68	.070
Vegetables		294		14,700		68	.082
Textiles: Merchandise		1,581	1,581	308,295	308,295	68	.138
Wood and paper			131,266		989,549		
Logs, rafted	130,610			979,575		68	.006
Lumber	527			6,324		68	.026
Manufactures of wood		4		400		68	.138
Shingles		125		3,250		68	.035
Nonmetallic minerals			3,298		6,574		
Brick		50		380		68	.060
Coal		5		53		68	.070
Lime, plaster, and cement		238		4,046		68	.070
Sand and gravel	3,002			2,011		68	.006
Sewer pipe and tiling		3		84		68	.082
Ores, metals, and manufactures			297		33,804		
Iron and steel, all kinds	243			14,580		68	.070
Pipe, pipe fittings, and plumbing goods		54		19,224		68	.070
Machinery and vehicles			37		8,345		
Agricultural implements and vehicles		34		7,616		68	.082
Machinery, boilers, etc		3		729		68	.070
Unclassified			2,232		141,888		
Automobiles		3		2,586		68	.215
Household goods		27		7,182		68	.138
Miscellaneous		2,202		132,120		68	.103
Total	134,382	6,637	141,019		1,639,826		

Average boat haul: Clatskanie River, 1½ miles; Columbia and Willamette Rivers, 66½ miles; total 68 miles.

The foregoing statement includes 130,610 tons of logs, valued at $979,575, unloaded from cars at Beaver Slough and there put up in rafts and towed to sawmills on the Columbia and Willamette Rivers.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	383	$81,987
Vegetable food products	1,925	69,384
Other vegetable products		
Textiles	1,581	308,295
Wood and paper	131,266	989,549
Nonmetallic minerals	3,298	6,574
Ores, metals and manufactures	297	33,804
Machinery and vehicles	37	8,345
Chemicals		
Unclassified	2,232	141,888
Total	141,019	1,639,826

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CLATSKANIE RIVER, OREG.—continued.

Vessel classification, 1921.

Classes.	Number.	Total net registered tonnage.
Inland freight and passenger	1	367
Inland towing	21	3,643
Total	22	4,010

Passengers carried, 444.

The usual limit of draft, for loaded boats using the Clatskanie River, is 4½ feet.

WILLAMETTE RIVER ABOVE PORTLAND, AND YAMHILL RIVER, OREG.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated and rafted timber.	
				Tons.	Value.
1894	74,610	(1)	56,368	5	(1)
1895	130,870	(1)	57,376	(1)	(1)
1896	218,292	(1)	48,465	188	(1)
1897	168,807	(1)	87,960	17,814	(1)
1898	88,382	(1)	67,524	23,772	(1)
1899	94,479	(1)	50,738	23,303	(1)
1900	164,458	(1)	47,324	18,000	(1)
1901	170,991	(1)	103,971	20,910	(1)
1902	126,160	(1)	95,221	66,067	(1)
1903	156,272	(1)	66,510	80,551	(1)
1904	210,934	$10,775,412	65,947	121,196	$484,784
1905	195,968	11,598,436	67,396	130,290	521,160
1906	234,478	6,994,607	41,160	149,433	597,018
1907	341,989	7,855,570	41,998	70,857	338,176
1908	357,869	7,833,044	29,029	45,279	181,120
1909	475,841	9,074,136	43,299	43,409	221,248
1910	744,820	8,196,446	26,714	42,677	135,801
1911	805,530	8,734,760	25,282	70,210	285,805
1912	911,074	9,866,833	24,831	75,435	366,628
1913	678,932	8,117,395	23,760	85,930	417,294
1914	407,932	8,544,000	21,323	108,620	434,330
1915	373,644	8,454,435	21,598	186,916	747,516
1916	412,318	10,243,296	12,698	250,865	997,267
1917	293,400	12,514,300	6,088	198,501	1,191,006
1918	273,224	9,085,940	1,131	359,171	2,693,229
1919	350,660	11,878,730	1,467	313,346	3,086,960
1920	731,167	17,158,345	883	552,881	6,013,266
1921	783,500	11,568,997	468	404,396	2,971,686

[1] No statistics available.

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WILLAMETTE RIVER ABOVE PORTLAND, AND YAMHILL RIVER, OREG.—continued.

[Navigation season: Opened Jan. 1; closed Dec. 31.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
COMBINED UP AND DOWN BOUND, INTERNAL.						*Miles.*	
Animals and animal products			113		$17,085		
Cattle		91		$11,914		13	$0.307
Meats, fresh and cured		22		5,171		13	.384
Vegetable food products			2,192		90,019		
Flour		25		2,000		13	.153
Grain, all kinds		1,880		78,960		13	.153
Hay		22		374		13	.181
Mill feed		170		3,910		13	.181
Vegetables		94		4,700		13	.292
Other vegetable products: Hops		156	156	93,600	93,600	13	.181
Textiles			157		32,430		
Merchandise		146		28,470		13	.181
Wool		12		4,035		13	.181
Wood and paper			553,477		11,897,107		
Logs, rafted	372,141			2,791,058		70	.006
Lumber	2,437			29,244		13	.213
Paper		80,078		7,927,592		13	.168
Paper base stock	19,962			798,480		13	.168
Piling, rafted	32,255			180,628		70	.006
Wood, for fuel	46,604			170,105		13	.006
Nonmetallic minerals			624,284		1,438,209		
Brick		471		3,660		13	.181
Coal		133		1,396		13	.181
Lime, plaster, and cement		978		16,626		13	.168
Oil, crude	72,365			868,380		13	.006
Sand and gravel	542,054			363,176		4	.006
Stone	248			166		13	.006
Sulphur		8,085		184,805		13	.181
Ores, metals, and manufactures			1,521		109,908		
Iron and steel, all kinds	1,458			87,480		13	.181
Pipe, pipe fittings, and plumbing goods		63		22,428		13	.181
Machinery and vehicles: Machinery, boilers, etc		2,735	2,735	664,605	664,605	13	.323
Unclassified			3,261		197,720		
Household goods		10		2,660		13	.384
Miscellaneous		3,251		195,060		13	.181
Total	1,089,524	98,372	1,187,896		14,540,683		

The foregoing table includes 404,396 tons of rafted logs and piling, valued at $2,971,686, towed from points on the Columbia River to booms on the Willamette River, South Portland, Oreg.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	113	$17,085
Vegetable food products	2,192	90,019
Other vegetable products	156	93,600
Textiles	157	32,430
Wood and paper	553,477	11,897,107
Nonmetallic minerals	624,284	1,438,209
Ores, metals, and manufactures of	1,521	109,908
Machinery and vehicles	2,735	664,605
Unclassified	3,261	197,720
Total	1,187,896	14,540,683

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WILLAMETTE RIVER ABOVE PORTLAND, AND YAMHILL RIVER, OREG.—continued.

Vessel classification, 1921.

Classes.	Number.	Total net registered tonnage.
Inland freight and passenger	1	198
Inland towing	22	4,830
Total	23	5,028

Passengers carried, 468.

The usual limits of drafts for loaded boats are 5 feet for those operating below Oregon City and 2 feet for those operating above that city.

LEWIS RIVER, WASH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated and rafted timber.	
				Tons.	Value.
1896	2,274	(1)	12,990	(1)	(1)
1897	3,881	(1)	15,306	(1)	(1)
1898	6,303	(1)	15,938	(1)	(1)
1899	23,119	(1)	12,351	7,250	(1)
1900	23,295	(1)	14,129	7,250	(1)
1901	17,077	(1)	15,532	10,200	(1)
1902	40,817	(1)	13,098	1,507	(1)
1903	74,706	(1)	12,059	6,850	(1)
1904	26,245	$689,820	13,885	36,168	$144,672
1905	24,154	860,837	29,026	51,724	206,896
1906	16,684	466,536	16,614	123,396	493,584
1907	19,232	1,091,963	13,869	18,307	87,154
1908	17,771	717,232	13,880	98,902	395,608
1909	17,784	1,137,920	14,000	159,994	851,164
1910	49,965	1,346,545	6,450	95,400	287,600
1911	16,507	1,092,290	8,499	38,862	126,300
1912	20,497	930,037	2,975	36,747	181,879
1913	57,314	1,629,201	7,025	130,102	650,510
1914	17,009	1,283,149	4,354	29,202	116,408
1915	17,969	1,536,700	6,810	4,556	18,224
1916	16,476	1,009,592	5,500	34,516	138,066
1917	5,429	443,270	1,536	19,833	118,998
1918	16,317	1,727,924	2,881	75,257	564,427
1919	19,130	2,784,451	930	14,411	144,110
1920	13,676	1,297,074	198	151,794	2,142,128
1921	4,052	355,952	20	58,957	461,379

[1] No statistics available.

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LEWIS RIVER, WASH.—continued.

[Navigation season: Opened Jan. 10; closed Dec. 31.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
COMBINED UP AND DOWN BOUND, INTERNAL.						*Miles.*	
Animals and animal products			438		$71,091		
Cattle		300		$38,400		38	$0.160
Dairy products: Milk, cream, butter, eggs, cheese, etc		41		11,275		38	.105
Hides		7		1,400		38	.095
Hogs		38		8,424		38	.184
Horses		12		1,992		38	.130
Meats, fresh and cured		40		9,660		38	.095
Vegetable food products			1,755		79,680		
Flour		40		3,200		38	.080
Fruit		120		9,000		38	.126
Grain, all kinds		225		9,450		38	.080
Hay		80		1,360		38	.095
Mill feed		290		6,670		38	.060
Vegetables		1,000		50,000		38	.060
Textiles: Merchandise		722	722	141,120	141,120	38	.105
Wood and paper			59,277		468,983		
Logs, rafted	54,690			410,175		34	.006
Manufactures of wood		70		1,104		38	.105
Ties, rafted	4,267			51,204		38	.008
Shingles		250		6,500		38	.052
Nonmetallic minerals			662		29,623		
Brick		19		144		38	.033
Coal		10		105		38	.080
Gasoline		325		24,050		38	.033
Lime, plaster, and cement		300		5,100		38	.080
Sewer pipe and tiling		8		224		38	.105
Ores, metals, and manufactures			66		5,736		
Iron and steel, all kinds	60			3,600		38	.080
Pipe, pipe fittings, and plumbing goods		6		2,136		38	.080
Machinery and vehicles			18		4,382		
Agricultural implements and vehicles		8		1,952		38	.105
Machinery, boilers, etc		10		2,430		38	.105
Unclassified			71		16,716		
Automobiles		5		4,310		38	.280
Household goods		41		10,906		38	.126
Miscellaneous		25		1,500		38	.095
Total	59,017	3,992	63,009		817,331		

Average boat haul: Logs and ties, 1 mile on Lewis River, 37 miles on Columbia and Willamette Rivers; other traffic, 7 miles on Lewis River, 30 miles on Columbia and Willamette Rivers; total, 38 miles.

The foregoing statement includes 58,957 tons of floated timbers, valued at $461,379.

The logs were floated down the north fork of the river for a distance of about 25 miles to booms located 1 mile from the mouth of the main river, where they were put up in rafts and towed to sawmills on the Columbia and Willamette Rivers.

The ties were floated down the north fork of the river for a distance of about 60 miles and down the east fork for a distance of about 22 miles to the booms near the mouth of the main river, where they were put up in rafts and towed to points on the Columbia River for loading on ships and cars.

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LEWIS RIVER, WASH.—continued.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	438	$71,091
Vegetable food products	1,755	79,680
Other vegetable products		
Textiles	722	141,120
Wood and paper	59,277	468,983
Nonmetallic minerals	662	29,623
Ores, metals, and manufactures	66	5,736
Machinery and vehicles	18	4,382
Chemicals		
Unclassified	71	16,716
Total	63,009	817,331

Vessel classification, 1921.

Classes.	Number.	Total net registered tonnage.
Inland freight and passenger	1	64
Inland towing	10	2,566
Total	11	2,630

Passengers carried, 20.

The usual limits of drafts for loaded boats are 2½ feet for those operating on the east fork of the river, 4 feet for those operating on the north fork, and 6 feet for those operating near the mouth of the main river.

COWLITZ RIVER, WASH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated and rafted timber.	
				Tons.	Value.
1893	58,238	(1)	35,334	225,000	(1)
1894	16,369	(1)	(1)	(1)	(1)
1895	12,146	$172,381	11,106	62,600	$120,500
1896	14,759	(1)	(1)	(1)	(1)
1897	17,582	(1)	14,138	45,067	(1)
1898	17,794	(1)	15,205	48,262	(1)
1899	26,511	(1)	13,890	90,462	(1)
1900	15,779	124,755	13,000	134,255	432,816
1901	14,211	139,147	12,020	139,147	455,656
1902	15,463	(1)	9,760	127,379	(1)
1903	41,519	(1)	8,500	179,972	(1)
1904	22,120	1,053,020	6,875	164,690	(1)
1905	28,646	1,422,260	6,000	289,444	(1)
1906	34,589	1,969,320	16,614	390,234	(1)
1907	55,698	3,347,094	759	120,986	(1)
1908	47,266	1,910,310	(1)	381,511	(1)
1909	34,863	1,616,440	(1)	245,798	1,302,656
1910	50,999	2,007,733	9,500	293,598	905,642
1911	42,339	1,436,046	10,000	251,281	871,470
1912	33,847	1,845,013	6,950	351,855	1,737,650
1913	31,425	2,133,055	8,600	367,654	1,829,310
1914	27,394	1,219,754	16,945	194,542	777,568
1915	22,434	698,560	4,795	171,891	675,564
1916	39,570	928,140	4,980	558,355	2,228,621
1917	18,710	846,173	4,181	292,282	1,748,849
1918	13,145	622,735	2,151	388,943	2,907,869
1919	28,929	847,720	1,442	226,622	2,244,953
1920	6,037	321,490	(1)	213,883	2,350,395
1921	2,839	323,990	250	176,314	1,434,180

[1] No statistics available.

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COWLITZ RIVER, WASH.—continued.

[Navigation season: Opened Jan. 1; closed Dec. 31.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
COMBINED UP AND DOWN BOUND, INTERNAL.						*Miles.*	
Animals and animal products			337		$57,172		
Cattle		170		$21,760		52	$0.099
Fish		103		22,660		52	.057
Hides		13		2,600		52	.073
Hogs		33		7,164		52	.110
Horses		18		2,988		52	.082
Vegetable food products			705		23,015		
Flour		58		4,640		52	.057
Grain, all kinds		200		8,400		52	.057
Hay		375		6,375		52	.057
Vegetables		72		3,600		52	.057
Textiles: Merchandise		1,166	1,166	226,410	226,410	52	.084
Wood and paper			176,844		1,450,180		
Logs, rafted	140,360			1,662,700		52	.006
Lumber (ties), rafted	26,584			319,008		52	.057
Manufactures of wood		30		3,000		52	.115
Piling, rafted	9,370			52,472		52	.006
Shingles		500		13,000		52	.038
Nonmetallic minerals: Lime, plaster, and cement		101	101	1,393	1,393	52	.057
Total	176,314	2,839	179,153		1,758,170		

Average boat haul: 6 to 8 miles on Cowlitz River, 44 miles on Columbia and Willamette Rivers; total, 52 miles.

The foregoing statement includes 176,314 tons of logs, piling, and ties, valued at $1,434,180, that were floated down the river for a distance of about 17 miles to booms located from 6 to 8 miles above its mouth where they were put up in rafts and towed to points on the Columbia and Willamette Rivers.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	337	$57,172
Vegetable food products	705	23,015
Textiles	1,166	226,410
Wood and paper	176,844	1,450,180
Nonmetallic minerals	101	1,393
Total	179,153	1,758,170

Vessel classification, 1921.

Classes.	Number.	Total net registered tonnage.
Inland freight and passenger	1	62
Inland towing	10	2,566
Total	11	2,628

Passengers carried, 250.

The usual limit of draft for loaded boats operating on the Cowlitz River is 3 feet.

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SKAMOKAWA CREEK, WASH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated and rafted timber.	
				Tons.	Value.
1918	1,408	$108,139	223	36,080	$270,000
1919	1,585	89,599	600	44,305	443,050
1920	1,349	107,406	387	62,374	686,114
1921	1,477	102,990	4	25,000	187,500

[Navigation season: Opened Jan. 1; closed Dec. 31.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INTERNAL—COMBINED UP AND DOWN BOUND.							
Animals and animal products:						*Miles.*	
Dairy products, milk, cream, butter, eggs, cheese, etc		7	7	$1,820	$1,820	80	$0.093
Vegetable food products			783		20,660		
Flour		27		2,160		80	.060
Grain, all kinds		49		2,054		80	.060
Mill feed		702		16,146		80	.060
Vegetables		5		300		80	.070
Textiles: Merchandise		22	22	4,194	4,194	80	.093
Wood and paper			25,109		189,998		
Logs rafted	25,000			187,500		80	.006
Lumber		24		288		80	.030
Shingles		85		2,210		80	.016
Nonmetallic minerals			177		11,549		
Coal		6		63		80	.060
Gasoline		148		10,952		80	.070
Lime, plaster, and cement		23		534		80	.060
Ores, metals, and manufactures			80		7,168		
Iron and steel, all kinds	72			4,320		80	.030
Pipe, pipe fittings, and plumbing goods		8		2,848		80	.060
Machinery and vehicles			181		43,989		
Agricultural implements and vehicles		6		1,464		80	.117
Machinery, boilers, etc		175		42,525		80	.117
Unclassified			118		11,112		
Automobiles		4		3,448		80	.166
Household goods		4		1,064		80	.117
Miscellaneous		110		6,600		80	.117
Total	25,072	1,405	26,477		290,490		

Average boat haul, 1 mile on Skamokawa Creek, 79 miles on Columbia and Willamette Rivers; total, 80 miles.

The foregoing statement includes 25,000 tons of logs, valued at $187,500, that were floated down the creek for a distance of 4 miles to booms located about 1 mile above its mouth, where they were put up in rafts and towed to sawmills on the Columbia and Willamette Rivers.

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SKAMOKAWA CREEK, WASH.—continued.

SUMMARY.

Classes of commodities.	Tons.	Value.	Classes of commodities.	Tons.	Value.
Animals and animal products	7	$1,820	Ores, metals, and manufactures	80	$7,168
Vegetable food products	783	20,660	Machinery and vehicles	181	43,989
Other vegetable products			Chemicals		
Textiles	22	4,194	Unclassified	118	11,112
Wood and paper	25,109	189,998			
Nonmetallic minerals	177	11,549	Total	26,477	290,490

Vessel classification.

Classes.	Number.	Total net registered tonnage.
Inland freight and passenger	3	235
Inland towing	15	2,214
Total	18	2,449

Passengers carried, 4.

The usual limit of draft for loaded boats operating on Skamokawa Creek is 6 feet.

GRAYS RIVER, WASH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated and rafted timber.	
				Tons.	Value.
1909	3,395	$96,990	5,000	30,373	$136,674
1910	5,230	150,322	6,000	72,121	219,062
1911	2,385	67,139	6,000	133,300	433,400
1912	6,202	142,530	8,000	159,924	450,289
1913	5,663	181,030	10,819	188,601	942,765
1914	13,615	515,728	10,726	129,722	518,808
1915	5,836	452,545	10,000	53,782	211,448
1916	9,067	636,666	10,000	76,168	304,673
1917	8,962	894,524	12,000	22,130	132,780
1918	7,284	1,061,817	10,000	38,595	289,462
1919	10,216	2,016,997	10,000	40,207	402,070
1920	5,112	524,701	8,000	25,134	276,474
1921	6,922	762,072	8,000	12,215	91,613

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GRAYS RIVER, WASH.—continued.

[Navigation season: Opened, January 1; closed, December 31.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INTERNAL—COMBINED UP AND DOWN BOUND.						*Miles.*	
Animals and animal products			1,238		$308,692		
Cattle		125		$16,000		26	$0.320
Dairy products: Milk, cream, butter, eggs, cheese, etc.		800		220,000		26	.192
Hides		12		2,400		26	.192
Hogs		28		6,204		26	.384
Horses		18		2,988		26	.320
Meats, fresh and cured		255		61,100		26	.207
Vegetable food products			1,710		57,560		
Flour		220		17,600		26	.134
Grain, all kinds		30		1,260		26	.134
Hay		400		6,800		26	.153
Mill feed		800		18,400		26	.134
Vegetables		260		13,500		26	.134
Textiles: Merchandise		200	200	39,000	39,000	26	.134
Wood and paper			13,134		112,449		
Logs, rafted	12,215			91,613		70	.006
Lumber	667			8,004		26	.134
Manufactures of wood		85		8,490		26	.230
Shingles		167		4,342		26	.073
Nonmetallic minerals			930		7,716		
Brick		48		365		26	.192
Coal		300		3,150		26	.134
Lime, plaster, and cement		150		2,550		26	.134
Sand and gravel	375			251		26	.086
Sewer pipe and tiling		50		1,400		26	.215
Ores, metals, and manufactures			1,050		77,800		
Iron and steel, all kinds	1,000			60,000		26	.184
Pipe, pipe fittings, and plumbing goods		50		17,800		26	.207
Machinery and vehicles			525		127,600		
Agricultural implements and vehicles		25		6,100		26	.207
Machinery, boilers, etc.		500		121,500		26	.207
Unclassified			350		122,868		
Automobiles		75		64,650		26	.207
Household goods		200		53,200		26	.207
Miscellaneous		82		5,018		26	.134
Total	14,257	4,880	19,137		853,685		

Average boat haul: Logs, 2 miles on Grays River, 68 miles on Columbia and Willamette Rivers; other traffic, 8 miles on Grays River, 18 miles on Columbia River.

The foregoing statement includes 12,215 tons of logs, valued at $91,613, unloaded from cars to booms located from one-half to 3 miles above the mouth of the river, where they were put up in rafts and towed to sawmills on the Columbia and Willamette Rivers.

SUMMARY.

Classes of commodities.	Tons.	Value.	Classes of commodites.	Tons.	Value.
Animals and animal products	1,238	$308,692	Ores, metals, and manufactures	1,050	$77,800
Vegetable food products	1,710	57,560	Machinery and vehicles	525	127,600
Other vegetable food products			Chemicals		
			Unclassified	350	122,868
Textiles	200	39,000			
Wood and paper	13,134	112,449	Total	19,137	853,685
Nonmetallic minerals	930	7,716			

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GRAYS RIVER, WASH.—continued.

Vessel classification, 1921.

Classes.	Number.	Total net registered tonnage.
Inland freight and passenger	1	64
Inland towing	7	1,062
Total	8	1,126

Passengers carried, 8,000.

The usual limit of draft for a loaded boat operating on Grays River is 4½ feet.

CANAL AND LOCKS AT WILLAMETTE FALLS, OREG.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated and rafted timber.	
				Tons.	Value.
1910	9,557	$949,815	7,129	1,650	$5,532
1911	11,760	1,079,533	8,058	1,498	5,390
1912	10,244	749,299	7,128	507	2,530
1913	6,117	673,906	6,189	410	2,010
1914	5,214	207,359	6,004	309	1,016
1915	59,656	3,296,668	13,261	2,913	10,284
1916	169,369	8,391,181	7,956	5,764	19,249
1917	89,766	7,646,099	4,499	24,188	124,548
1918	89,916	6,334,724	923	25,903	170,816
1919	118,741	9,855,813	1,467	16,856	128,060
1920	145,982	11,974,759	833	24,625	202,450
1921	160,846	10,239,922	468	54,885	350,353

[Navigation season: Opened Jan. 1; closed Dec. 31.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL—COMBINED UP AND DOWN BOUND.					
Animals and animal products			93		$12,250
Cattle		84		$10,752	
Horses		7		1,162	
Sheep		2		336	
Vegetable food products			2,169		88,184
Flour		3		240	
Grain, all kinds		1,890		78,960	
Hay		22		374	
Mill feed		170		3,910	
Vegetables		94		4,700	
Other vegetable products: Hops		156	156	93,600	93,600
Textiles: Wool		11	11	3,960	3,960
Wood and paper			190,243		9,222,788
Logs, rafted	22,630			169,725	
Lumber	2,370			28,444	
Paper		80,061		8,420,966	
Paper base stock	6,323			252,920	
Piling, rafted	32,255			180,628	
Wood, for fuel	46,604			170,105	

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CANALS AND LOCKS AT WILLAMETTE FALLS, OREG.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amounts in short tons, by commodities.		Amounts in short tons, by classes.	Value.	
	Up-bound.	Down bound.		Up-bound.	Down-bound.
INTERNAL—COMBINED UP AND DOWN BOUND—continued.					
Nonmetallic minerals			15,703		$210,768
Brick		471		$3,660	
Coal		133		1,396	
Lime, plaster, and cement		978		16,626	
Oil, crude		18		216	
Sand and gravel	5,820			3,899	
Stone	248			166	
Sulphur		8,065		184,805	
Ores, metals, and manufactures			1,508		105,280
Iron and steel, all kinds	1,458			87,480	
Pipe, pipe fittings, and plumbing goods		50		17,800	
Machinery and vehicles: Machinery, boilers, etc		2,735	2,735	664,605	664,605
Unclassified			3,113		188,840
Household goods		10		2,660	
Miscellaneous		3,103		186,180	
Total	117,708	98,023	215,731		10,590,572

The foregoing statement includes 54,885 tons of rafted logs and piling, valued at $350,353.

Number of lockages 2,671
Total net registered vessel tonnage through locks 855,138
Passengers 468

YAMHILL LOCK, YAMHILL RIVER, OREG.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated and rafted timbers.	
				Tons.	Value.
1900	162	(1)	1,011	(1)	(1)
1901	1,580	(1)	999	(1)	(1)
1902	2,338	(1)	1,199	117	(1)
1903	1,037	(1)	284	710	(1)
1904	354	(1)	26	2,003	(1)
1905	616	(1)	44	3,493	(1)
1906	664	(1)	281	3,768	(1)
1907	438	(1)	170	2,484	(1)
1908	346	(1)	80	1,969	(1)
1909	147	(1)	375	839	(1)
1910	56	(1)	263	320	(1)
1911	10	(1)	123	60	(1)
1912	58	(1)	327	328	(1)
1913	98	(1)	322	558	(1)
1914	197	$867	113	1,117	$4,910
1915	525	20,171	191	114	456
1916	630	40,964	64	(1)	(1)
1917	934	58,097	17	1,098	5,342
1918	168	8,399	3	595	3,883
1919	34	2,890	4	190	1,900
1920	2	160	0	300	3,399
1921	1	220	26	2,097	15,737

[1] No statistics available.

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YAMHILL LOCK, YAMHILL RIVER, OREG.—continued.

[Navigation season: Opened Jan. 1; closed Dec. 31.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL—COMBINED UP AND DOWN BOUND					
Animals and animal products: Fish		1	1	$220	$220
Wood and paper: Logs	2,097		2,097	15,727	15,727
Total	2,097	1	2,098		15,947

Number of lockages	44
Total net registered vessel tonnage through lock	61
Passengers	26

SEATTLE, WASH., DISTRICT.

WILLAPA RIVER AND HARBOR, WASH.

Comparative statement of traffic.

Year.	Total.[1]		Floated timbers.	Passengers.
	Tons.	Value.		
			Tons.	
1896	27,542	$351,175		(2)
1897	37,815	313,163		(2)
1898	32,399	374,050		(2)
1899	51,150	755,682		(2)
1900	42,090	266,080		10,190
1901	39,538	229,686		(2)
1902	51,999	402,050		(2)
1903	74,475	446,800		(2)
1904	73,808	389,377		(2)
1905	76,713	456,213		(2)
1906	116,717	1,220,434		16,411
1907	183,801	1,847,810		(2)
1908	214,812	2,347,253		(2)
1909	433,513	3,109,173	215,842	(2)
1910	486,516	4,190,410	259,003	(2)
1911	743,681	4,597,654	433,202	21,917
1912	766,416	5,077,565	439,354	22,412
1913	602,853	5,705,787	403,418	(2)
1914	669,619	3,790,284	452,702	(2)
1915	370,415	2,117,857	252,744	(2)
1916	605,331	3,599,203	451,463	(2)
1917	567,510	3,713,171	400,697	17,673
1918	471,525	4,180,349	368,320	23,419
1919	451,490	5,317,014	348,796	24,126
1920	522,003	6,146,143	381,976	19,403
1921	[3] 557,928	[3] 4,198,059	[4] 432,654	15,165

[1] These totals include floated timber where stated. They do not include Government materials used in works of improvement.
[2] Not reported.
[3] Does not include 6,015 tons, value $154,640, carried by car ferry.
[4] Value, $2,127,589, included in total tons and value.

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WILLAPA RIVER AND HARBOR, WASH.—continued.

[Navigation season, continuous.]

Freight traffic.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Wood and paper: Lumber	7,851	7,851	$88,983	$88,983

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Unclassified: General merchandise		600	600	$78,000	$78,000	*Miles.*	
SHIPMENTS, COASTWISE.							
Wood and paper			112,971		1,372,889		
Lumber and lath	102,291			1,159,298		1,200	$0.00625
Shingles		10,680		213,591		1,200	.0067
Total shipments	102,291	10,680	112,971		1,372,889		
Total receipts and shipments, coastwise	102,291	11,280	113,571		1,450,889		
RECEIPTS AND SHIPMENTS, INTERNAL.							
Animals and animal products			834		249,596		
Butter		26		22,126			
Clams, fresh		42		2,310			
Crabs, fresh		457		69,920			
Eggs		12		6,036			
Live stock		18		4,050			
Oysters, fresh		76		13,528			
Packing-house products		198		118,800			
Poultry		6		4,200			
Meat, fresh		19		8,626			
Vegetable food products			706		49,841		
Beverages		16		1,600			
Canned goods		64		13,440			
Corn		48		2,064			
Feed		76		3,000			
Flour		47		3,760			
Fruit, fresh		56		6,440			
Fruit and vegetables, dried		6		630			
Hay		114		2,052			
Oats		76		3,040			
Potatoes		46		690			
Sugar		49		5,880			
Vegetables, fresh		30		4,485			
Wheat		69		2,760			
Other vegetable products			9		3,389		
Naval stores		7		469			
Tobacco		2		2,920			
Textiles: Wool		2	2	940	940		
Wood and paper			434,446		2,149,270		
Logs, floated	432,654			2,127,589		16	.00515
Lumber	1,680			18,397		12	.107
Shingles		112		3,284			
Nonmetallic minerals			134		5,314		
Cement		14		210			
Coal		44		528			
Refined oil		76		4,576			

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WILLAPA RIVER AND HARBOR, WASH.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS AND SHIPMENTS, INTERNAL—continued.							
Ores, metals and manufactures of: Iron and steel		14	14	$700	$700	*Miles.*	
Machinery and vehicles			176		171,040		
Agricultural implements		8		3,040			
Automobiles		168		168,000			
Chemicals: Fertilizer		3	3	69	69		
Unclassified: Miscellaneous merchandise		182	182	28,028	28,028		
Total	434,334	2,172	436,506		2,658,187		

CAR FERRY.

Commodities.	Short tons.	Value.
Lumber	3,900	$42,900
Miscellaneous	2,115	111,740
Total	6,015	154,640

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic.				Total.	
			Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products					834	$249,596	834	$249,596
Vegetable food products					706	49,841	706	49,841
Other vegetable products					9	3,389	9	3,389
Textiles					2	940	2	940
Wood and paper	7,851	$88,983	112,971	$1,372,889	434,446	2,149,270	555,268	3,611,142
Nonmetallic minerals					134	5,314	134	5,314
Ores, metals, and manufacings of					14	700	14	700
Machinery and vehicles					176	171,040	176	171,040
Chemicals					3	69	3	69
Unclassified			600	78,000	182	28,028	782	106,028
Total	7,851	88,983	113,571	1,450,889	436,506	2,658,187	557,928	4,198,059

Car ferry, short tons 6,015, value $154,640.

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WILLAPA RIVER AND HARBOR, WASH.—continued.

Vessel classification, 1921.

COASTWISE AND OFFSHORE.

Class.	Number of vessels.		Arrivals.	Departures.	Total net registered tonnage.	Passengers.
	American.	Foreign.				
Steamers	29	2	88	88	136,212	700
Sailing	4	.....	4	4	4,526	.....
Total	33	2	92	92	140,738	700

Draft.—Offshore: Maximum, 23 feet; minimum, 20 feet. Coastwise: Maximum, 22 feet; minimum, 16 feet.

Cargo carried on various drafts: 15 to 19 feet, 51.6 per cent; 20 to 23 feet, 48.4 per cent.

Internal.—There are two steamers and numerous small launches engaged in local passenger and freight business. Their maximum draft is 9 feet.

The number of passengers carried was 14,465. Two steam and nine gasoline tugs are used regularly for towing logs.

GRAYS HARBOR AND BAR ENTRANCE, WASH.

Comparative statement of traffic.

Year.	Tons.[1]	Value.	Passengers.	Year.	Tons.[1]	Value.	Passengers.
1896	110,748	$629,677	(2)	1909	527,220	$4,802,333	(2)
1897	150,908	1,071,747	204	1910	671,336	6,016,752	(2)
1898	168,468	1,252,089	(2)	1911	710,844	6,092,836	2,880
1899	265,918	1,979,998	275	1912	757,636	6,389,186	3,184
1900	259,692	2,077,087	424	1913	666,503	5,890,475	3,812
1901	299,607	1,877,800	3,774	1914	729,527	5,729,508	(2)
1902	527,047	3,601,163	782	1915	502,410	5,907,545	(2)
1903	458,268	4,073,333	3,774	1916	484,687	6,413,900	(2)
1904	495,495	4,209,784	(2)	1917	455,967	5,950,631	(2)
1905	579,759	5,552,216	4,289	1918	373,123	5,792,943	(2)
1906	614,854	7,735,954	(2)	1919	433,299	9,536,038	(2)
1907	747,725	8,862,687	5,607	1920	625,437	14,429,471	(2)
1908	827,154	7,421,311	(2)	1921	636,571	8,821,602	(2)

[1] Tonnage does not include any floated timber, nor Government materials used in works improvement.
[2] Not reported.

[Navigation season, continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Nonmetallic minerals: Coal	393	393	$2,948	$2,948
EXPORTS.				
Wood and paper: Lumber	103,679	103,769	1,175,028	1,175,028
Total imports and exports	.....	104,072	.....	1,177,976

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GRAYS HARBOR AND BAR ENTRANCE, WASH.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Vegetable food products			2,645		$481,978
Canned goods		241		$58,322	
Coffee		50		16,200	
Fruits, dried		26		2,730	
Fruits and vegetables, fresh		109		18,966	
Grape juice		35		3,500	
Groceries		566		134,142	
Rice		31		3,720	
Sugar		1,587		244,398	
Other vegetable products: Tobacco		139	139	194,600	194,600
Textiles: Dry goods		55	55	30,250	30,250
Wood and paper: Paper roofing		98	98	10,780	10,780
Nonmetallic minerals			20,390		968,998
Distillate	496			26,478	
Refined oil	1,503			76,653	
Fuel oil	9,770			146,683	
Gasolene	7,772			673,599	
Lubricating oils		637		43,253	
Salt		212		2,332	
Ores, metals, and manufactures of			482		97,457
Hardware		119		30,702	
Iron and steel		49		4,900	
Water pipe, cast iron		159		12,720	
Wire rope		155		49,135	
Chemicals			74		18,898
Drugs		37		14,097	
Soap		37		4,801	
Unclassified: Miscellaneous		467	467	66,781	66,781
Total receipts, coastwise	19,541	4,809	24,350		1,869,742
SHIPMENTS, COASTWISE.					
Wood and paper			508,149		5,773,884
Lumber	507,301	148		5,751,484	
Shingles		700		22,400	
Total shipments, coastwise	507,301	848	508,149		5,773,884
Total receipts and shipments, coastwise	526,842	5,657	532,499		7,643,626

SUMMARY.

Classes of commodities.	Foreign.				Domestic, coastwise.		Total.	
	Imports.		Exports.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products					2,645	$481,978	2,645	$481,978
Other vegetable products					139	194,600	139	194,600
Textiles					55	30,250	55	30,250
Wood and paper			103,679	$1,175,028	508,247	5,784,664	611,926	6,959,692
Nonmetallic minerals	393	$2,948			20,390	968,998	20,783	971,946
Ores, metals, and manufactures of					482	97,457	482	97,457
Chemicals					74	18,898	74	18,898
Unclassified					467	66,781	467	66,781
Total	393	2,948	103,679	1,175,028	532,499	7,643,626	636,571	8,821,602

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GRAYS HARBOR AND BAR ENTRANCE, WASH.—continued.

Vessel classification, 1921.

Class.	Number of vessels.		Total.		Total net registered. tonnage.
	American.	Foreign.	Arrivals.	Departures.	
Steam	56	29	361	361	771,694
Sail	14	2	18	18	29,840
Motor	8	2	15	15	35,300
Barges	1	.....	1	1	1,851
Total	79	33	395	395	838,705

Maximum draft, 25 feet 10 inches.

GRAYS HARBOR (INNER PORTION) BETWEEN ABERDEEN AND THE ENTRANCE TO SAID HARBOR AND CHEHALIS RIVER, WASH.

Comparative statement of traffic.

Year.	Tons.[1]	Value.	Floated timbers.	Passengers.
			Tons.	
1896	2,561	$246,498	.....	(2)
1898	2,730	293,610	.....	49,930
1899	2,232	352,316	.....	18,812
1900	4,376	132,157	.....	31,037
1901	5,706	200,364	.....	13,475
1902	3,529	157,532	.....	32,060
1903	4,972	139,151	.....	57,390
1904	548,575	2,601,628	542,938	54,436
1905	730,103	3,920,030	712,908	92,768
1906	842,423	5,854,991	830,856	107,389
1907	832,914	7,079,161	823,500	19,720
1908	862,809	6,249,424	824,805	(2)
1909	666,081	6,619,052	471,085	(2)
1910	784,772	4,692,530	700,269	(2)
1911	1,283,086	5,017,797	1,045,580	25,929
1912	1,326,736	5,760,497	1,083,580	(2)
1913	1,052,301	4,275,593	956,600	(2)
1914	933,257	3,802,143	842,300	(2)
1915	768,341	2,970,564	709,500	(2)
1916[3]	1,298,790	11,252,622	742,000	(2)
1917[3]	1,227,437	10,304,951	720,000	(2)
1918[3]	1,332,000	12,254,554	909,413	(2)
1919[3]	1,960,801	22,798,937	1,442,672	.....
1920	1,671,922	13,826,012	1,482,798	.....
1921[4]	1,908,663	8,960,552	1,761,000	.....

[1] Tonnage includes floated timber where stated, valued at $8,488,020 in 1921. It does not include Government materials where used in works of improvement.

[2] Not reported.

[3] 1916 to 1919 includes foreign and coastwise traffic, which are the same as reported under Grays Harbor and Bar Entrance, as all traffic passing over the bar uses the inner harbor. The other totals include internal traffic only.

[4] Exclusive of traffic credited at Grays Harbor and Bar Entrance, viz, 636,571 tons, valued at $8,831,602.

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GRAYS HARBOR (INNER PORTION) BETWEEN ABERDEEN AND THE ENTRANCE TO SAID HARBOR AND CHEHALIS RIVER, WASH.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS AND SHIPMENTS, INTERNAL.					
Animals and animal products			777		$104,960
Crabs, fresh		127		$16,764	
Fish, fresh		621		74,520	
Meat, fresh		29		13,676	
Vegetable food products: Fruits and vegetables, canned		51	51	4,424	4,424
Wood and paper			1,779,164		8,692,286
Logs, floated	1,761,000			8,488,020	
Lumber	18,164			204,266	
Nonmetallic minerals			128,464		121,444
Fuel oil		723		9,360	
Sand and gravel	127,741			112,084	
Unclassified		177	177	37,408	37,408
Total	1,906,905	1,728	1,908,633		8,960,522

SUMMARY.

Classes of commodities.	Internal.	
	Tons.	Value.
Animals and animal products	777	$104,960
Vegetable food products	51	4,424
Wood and paper	1,779,164	8,692,286
Nonmetallic minerals	128,464	121,444
Unclassified	177	37,408
Total	1,908,633	8,960,522

Vessel classification, 1921.

Foreign and coastwise vessels are the same as reported under Grays Harbor and Bar Entrance, as all vessels passing over the bar use the inner harbor.

No regular freight or passenger boats operate on the harbor or tributaries. The freight, other than logs, is carried on scows and small launches. The loaded draft of scows varies from 5 to 8 feet. There are 18 tugboats on the harbor; the maximum draft is 14.5 feet.

HOQUIAM RIVER, WASH.

Comparative statement of traffic.

Year.	Tons.[1]	Value.	Floated timbers.
			Tons.
1918	401,384	$4,084,966	305,380
1919	558,537	6,329,295	425,632
1920	642,250	6,916,413	481,200
1921	490,739	3,167,145	376,209

[1] Tonnage includes floated timber; value, $1,805,803, in 1921. It does not include Government materials used in works of improvement.

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HOQUIAM RIVER, WASH.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Wood and paper: Lumber	12,939	12,939	$146,523	$146,523

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Vegetable food products			1,655		$319,976
Canned goods		206		$49,852	
Groceries		566		134,142	
Sugar		883		135,982	
Other vegetable products: Tobacco		71	71	103,660	103,660
Ores, metals and manufactures of			182		50,862
Hardware		119		30,702	
Wire rope		63		20,160	
Total receipts		1,908	1,908		474,498
SHIPMENTS, COASTWISE.					
Wood and paper: Lumber	61,517		61,517	697,187	697,187
Total receipts and shipments, coastwise	61,517	1,908	63,425		1,171,685
INTERNAL RECEIPTS AND SHIPMENTS.					
Wood and paper			377,184		1,816,853
Logs, floated	376,209			1,805,803	
Lumber	975			11,050	
Nonmetallic minerals: Sand and gravel	37,191		37,191	32,084	32,084
Total receipts and shipments, internal	414,375		414,375		1,848,937

SUMMARY.

Classes of commodities.	Foreign, export.		Domestic.				Total	
			Coastwise.		Other domestic			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Vegetable food products			1,655	$319,976			1,655	$319,976
Other vegetable products			71	103,660			71	103,660
Wood and paper	12,939	$146,523	61,517	697,187	377,184	$1,816,853	451,640	2,660,563
Nonmetallic minerals					37,191	32,084	37,191	32,084
Ores, metals and manufactures of			182	50,862			182	50,862
Total	12,939	146,523	63,425	1,171,685	414,375	1,848,937	490,739	3,167,145

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HOQUIAM RIVER, WASH.—continued.

Vessel classification, 1921.

COASTWISE AND FOREIGN.

Class.	Number of vessels.		Total.		Total net registered tonnage.	Loaded, draft.
	American.	Foreign.	Arrivals.	Departures.		
						Feet.
Steam	15	4	55	55	47,880	16-23
Motor	1	.....	7	7	6,202	18
Total	16	4	62	62	54,082	.....

Thirteen towboats and numerous launches operate on the river. The maximum draft 11.5 feet.

PUGET SOUND AND ITS TRIBUTARY WATERS, WASH.

Comparative statement of traffic.

Year.	Tons.[1]	Value.	Floated timbers.	Passengers.	Year.	Tons.[1]	Value.	Floated timbers.	Passengers.
			Tons.					*Tons.*	
1897	11,922	(2)	.....	24,803	1910	183,447	1,417,760	171,580	(2)
1898	12,676	$539,406	.....	29,866	1911	91,884	1,237,729	51,807	(2)
1899	13,500	577,586	.....	31,860	1912	126,285	1,945,979	85,922	(2)
1900	35,066	1,324,926	.....	35,369	1913	105,329	1,084,813	65,725	(2)
1901	30,155	1,499,420	.....	45,916	1914	113,990	815,039	84,835	(2)
1902	61,794	2,324,980	.....	38,575	1915	55,057	543,161	27,236	(2)
1903	94,274	3,193,458	.....	(2)	1916	85,114	881,554	58,214	(2)
1904	92,465	1,790,823	.....	(2)	1917	148,575	1,674,191	112,552	(2)
1905	86,412	1,817,048	.....	(2)	1918[3]	29,232	848,588	22,884	(2)
1906	167,197	1,898,057	.....	(2)	1919	80,437	3,163,815	68,685	(2)
1907	124,336	3,011,146	.....	(2)	1920[3]	80,640	1,547,594	66,014	(2)
1908	44,992	1,659,930	.....	(2)	1921[3]	93,880	1,359,990	79,548	(2)
1909	143,770	1,250,634	99,622	(2)					

[1] Tonnage includes floated timber where stated, valued at $378,490 in 1921. Does not include Government materials used in works of improvement.
[2] No statistics available.
[3] Stillaguamish River only; other tributaries given under their own names.

Statistics have been taken each year only for the waterways, not otherwise under improvement, on which the snag boat did any considerable work; the statistics are therefore incomplete and no proper comparison can be made.

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PUGET SOUND AND TRIBUTARY WATERS, WASH.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL RECEIPTS AND SHIPMENTS.					
Animals and animal products			27		$10,818
Eggs		10		$2,250	
Live stock		17		8,568	
Vegetable food products			3,785		455,450
Canned milk		3,250		425,000	
Feed and grain		200		10,000	
Fruit and vegetables		60		6,900	
Hay		200		2,000	
Sugar		75		11,550	
Wood and paper			87,658		469,322
Logs, floated	79,548			378,490	
Lumber	8,110			90,832	
Nonmetallic minerals: Salt		50	50	600	600
Ores, metals and manufactures of: Agricultural machinery		60	60	22,800	22,800
Unclassified		2,300	2,300	401,000	401,000
Total	87,658	6,222	93,880		1,359,990

SUMMARY.

(Stillaguamish River.)

Classes of commodities.	Domestic, internal.	
	Tons.	Value.
Animals and animal products	27	$10,818
Vegetable food products	3,785	455,450
Wood and paper	87,658	469,322
Nonmetallic minerals	50	600
Ores, metals and manufactures of	60	22,800
Unclassified	2,300	401,000
Total	93,880	1,359,990

Vessel classification, 1921.

Class.	Number of vessels (American).	Arrivals.	Departures.	Total net registered tons.	Passengers.
Steam	4	177	177	86,882	39
Motor tugs	1	42	42	672	
Launches		[1] 50	[1] 50		
Barges		27	27	8,748	
Total	5	296	296	96,302	39

[1] Estimated.

Maximum draft, 6 feet.

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PORT TOWNSEND HARBOR, WASH.

Comparative statement of traffic.

Year.	Tons.	Value.	Car ferry.	Passengers.
			Tons.	
1920	[1] 4,443	$506,799	180,130	16,800
1921	[1] 8,202	958,564	136,200	16,828

[1] Exclusive of car-ferry traffic.

The above table does not include Government materials used in works of improvement.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, INTERNAL.						*Miles.*	*Cents.*
Animals and animal products			217		$70,200		
Butter		25		$15,000		42	19
Fish, fresh	12			1,200		42	16
Meats, fresh		180		54,000		42	16
Vegetable food products: Fruit and vegetables		144	144	14,400	14,400	42	14
Nonmetallic minerals			5,867		403,644		
Fuel oil	1,166			16,103			
Gasoline	4,302			365,659			
Oil, illuminating	172			8,776			
Distillate	148			8,312			
Petroleum products	79			4,794			
Ores, metals and manufactures of: Hardware		145	145	33,500	33,500	42	12
Machinery and vehicles: Automobiles		84	84	67,200	67,200		
Unclassified			966		198,600		
Household goods		54		16,200		42	14
Miscellaneous merchandise	912			182,400		42	12
Total receipts, internal	6,791	632	7,423		787,544		
SHIPMENTS, INTERNAL.							
Animals and animal products			219		20,220		
Clams, fresh		168		6,720		42	12
Cream		9		4,500		42	12
Eggs		12		6,000		42	19
Fish, fresh		30		3,000		42	16
Vegetable food products: Bread		8	8	800	800	90	07
Machinery and vehicles: Automobiles		142	142	113,600	113,600	42	18
Unclassified			410		36,400		
Ice	240			2,400		42	06
Miscellaneous merchandise	170			34,000		42	12
Total shipments, internal	410	369	779		171,020		
Total receipts and shipments, internal	7,201	1,001	8,202		958,564		

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PORT TOWNSEND HARBOR, WASH.—continued.

CAR-FERRY TRAFFIC.

Commodities.	Short tons.	Value.
General	136,200	$3,541,200

SUMMARY.

Classes of commodities.	Internal.	
	Tons.	Value.
Animals and animal products	436	$90,420
Vegetable food products	152	15,200
Nonmetallic minerals	5,867	403,644
Metals and manufactures of	145	33,500
Machinery and vehicles	226	180,900
Unclassified	1,376	235,000
Total	8,202	958,564

Car ferry, 136,200 short tons; value, $3,541,200.

Vessel classification, 1921.

Class.	Number of vessels.			Net registered tonnage.	Draft.	Passengers.
	American.	Arrivals.	Departures.			
					Feet.	
Steamers	24	1,646	1,646	415,651	4 to 20	16,828
Motor boats	120	1,600	1,600	40,000	3 to 10	.....
Barges	2	143	143	358,824	4 to 19	.....
Total	146	3,389	3,389	814,475	.....	16,828

PORT GAMBLE HARBOR, WASH.

Comparative statement of traffic.

Year.	Tons.[1]	Value.[1]	Floated timbers.	Car ferry.
			Tons.	*Tons.*
1918	126,204	$1,292,038	76,095	(2)
1919	95,483	1,642,098	54,476	(2)
1920	136,633	1,464,715	103,139	20,082
1921	77,327	731,333	53,134	(2)

[1] Includes floated timbers; valued at $261,535 in 1921. Excludes car ferry traffic. Does not include any Government materials used in works of improvement.
[2] No report.

No report as to passengers.

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PORT GAMBLE HARBOR, WASH.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Wood and paper: Lumber	677	677	$13,543	$13,543

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS, COASTWISE.					
Wood and paper			22,311		$252,180
Lath		793		$11,095	
Lumber	17,328			231,043	
Piles	4,190			10,042	
Total coastwise	21,518	793	22,311		252,180
RECEIPTS, INTERNAL.					
Animals and animal products: Meat, fresh		48	48	13,440	13,440
Vegetable food products			512		28,202
Flour and feed		375		18,000	
Fruit and vegetables, fresh		45		2,812	
Hay		46		1,150	
Sugar		46		6,240	
Wood and paper			50,625		247,755
Logs, floated	44,895			225,636	
Piles, floated	5,730			22,119	
Nonmetallic minerals: Gasoline and oil		112	112	5,824	5,824
Machinery and vehicles: Machinery		10	10	2,500	2,500
Unclassified		325	325	101,562	101,562
Total receipts	50,625	1,007	51,632		399,283
SHIPMENTS, INTERNAL.					
Animals and animal products			25		9,143
Eggs		10		5,090	
Crabs		15		4,053	
Wood and paper			2,539		14,321
Logs, floated	2,509			13,880	
Lumber	30			441	
Unclassified		143	143	42,863	42,863
Total shipments, internal	2,539	168	2,707		66,327
Total receipts and shipments, internal	53,164	1,175	54,339		465,610

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PORT GAMBLE HARBOR, WASH.—continued.

SUMMARY.

Classes of commodities.	Foreign exports.		Domestic.				Total.	
			Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products					73	$22,583	73	$22,583
Vegetable food products					512	28,202	512	28,202
Wood and paper	677	$13,543	22,311	$252,180	53,164	262,076	76,152	527,799
Nonmetallic minerals					112	5,824	112	5,824
Machinery and vehicles					10	2,500	10	2,500
Unclassified					468	101,562	468	144,425
Total	677	13,543	22,311	252,180	54,339	465,610	77,327	731,333

Vessel classification.

Class.	Number of vessels (American.)	Total.		Total net registered tonnage.
		Arrivals.	Departures.	
Steamers	42	398	398	92,278
Sail	3	3	3	4,405
Barges		55	55	38,830
Total	45	456	456	135,513

Loaded drafts of vessels:
Offshore, maximum, 20 feet; minimum, 20 feet.
Coastwise, maximum, 33 feet, 4 inches; minimum, 13 feet, 6 inches.

Passengers not reported.

OLYMPIA HARBOR, WASH.

Comparative statement of traffic.

Year.	Tons.[1]	Value.	Floated timbers.	Passengers.
			Tons.	
1896	36,096	$191,300		(2)
1897	29,800	440,900		(2)
1898	52,335	1,203,226		(2)
1899	42,694	1,173,684		(2)
1900	35,466	848,703		57,515
1901	44,559	951,435		69,029
1902	47,263	1,153,125		(2)
1903	40,333	341,635		(2)
1904	20,152	356,450		(2)
1905	62,804	2,069,289		(2)
1906	82,024	2,363,433		(2)
1907	244,171	3,855,515		(2)
1908	138,140	3,180,652		(2)
1909	116,195	1,611,387	104,764	(2)
1910	31,053	212,346	23,850	(2)
1911	48,275	339,972	24,849	(2)
1912	248,384	4,529,073	129,877	(2)
1913	247,775	2,711,044	165,991	88,093
1914	201,504	985,404	126,472	(2)
1915	271,406	2,832,987	188,102	67,800
1916	367,920	2,927,264	291,862	(2)
1917	283,472	2,977,113	214,430	(2)
1918	433,396	3,898,513	403,642	4,903
1919	204,805	2,688,094	182,024	2,622
1920	346,633	3,377,226	292,199	(2)
1921	332,804	3,028,829	304,530	(2)

[1] Includes floated timbers where stated, valued at $1,350,652 in 1921; does not include Government materials used in works of improvement.
[2] Not reported.

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OLYMPIA HARBOR, WASH.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS AND SHIPMENTS, INTERNAL.					
Animals and animal products			1,868		$307,094
Butter		7		$4,200	
Clams, fresh		242		9,084	
Eggs		90		45,000	
Fish, canned		14		2,450	
Hides		21		2,520	
Live stock		36		10,800	
Meats, fresh		17		5,100	
Milk, canned		28		3,640	
Oysters, fresh		1,125		202,500	
Oyster shells		132		2,000	
Seed oysters		156		19,800	
Vegetable food products			387		37,100
Flour, feed, and grain		127		6,350	
Fruits and vegetables		145		14,800	
Hay		2		50	
Sugar		110		13,200	
Tea		3		3,000	
Wood and paper			315,495		1,499,105
Logs, floated	303,330			1,350,652	
Lumber	10,316			122,063	
Paper		34		2,040	
Shingle bolts, floated	1,200			3,500	
Shingles		615		20,850	
Nonmetallic minerals			10,412		374,032
Asphalt		10		280	
Brick	5			33	
Cement		3		45	
Coal	3,000	7		30,100	
Distillate	104			5,617	
Fuel oil	3,661			54,419	
Gasoline	2,840			240,466	
Lime		1		30	
Lubricating oil		277		18,799	
Refined oil	450			23,443	
Salt		54		800	
Machinery and vehicles			3,024		487,898
Agricultural implements		17		4,250	
Logging and mill machinery	2,159	848		483,648	
Unclassified: Miscellaneous merchandise		1,618	1,618	323,600	323,600
Total	327,065	5,739	332,804		3,028,829

SUMMARY.

Classes of commodities.	Internal	
	Tons.	Value.
Animals and animal products	1,868	$307,094
Vegetable food products	387	37,100
Wood and paper	315,495	1,499,105
Nonmetallic minerals	10,412	374,032
Machinery and vehicles	3,024	487,898
Unclassified	1,618	323,600
Total	332,804	3,028,829

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OLYMPIA HARBOR, WASH.—continued.

Vessel classification, 1921.

Class.	American.	Arrivals.	Departures.	Net registered tonnage.	Draft.
					Feet.
Steam freight vessels	2	206	206	33,348	5–7
Motor freight vessels	38	38	38	8,440	.....
Steam tugs	8	907	907	42,902	7–13
Barges	27	74	74	4,708	5–7
Total	75	1,225	1,225	89,398	.....

TACOMA HARBOR, WASH.

Comparative statement of traffic.

Year.	Tons.[1]	Value.	Floated timbers.	Year.	Tons.[1]	Value.	Floated timbers.
			Tons.				*Tons.*
1903	1,715,085	$58,153,945	.....	1913	1,494,100	$74,225,034	.....
1904	1,561,074	53,726,772	261,363	1914	1,434,168	64,710,679	164,109
1905	1,844,338	65,613,183	426,896	1915	1,587,847	94,251,610	243,463
1906	1,600,390	51,573,522	480,320	1916	2,761,624	212,389,619	849,456
1907	1,855,666	55,621,281	285,270	1917	2,912,530	270,244,460	842,994
1908	1,443,614	46,128,955	260,318	1918	2,865,871	321,240,629	775,491
1909	1,097,938	35,554,496	176,635	1919	2,660,512	246,674,849	837,902
1910	1,299,206	61,315,442	170,454	1920	2,705,217	206,893,633	934,223
1911	854,709	54,376,049	.....	1921	2,497,050	102,322,073	970,135
1912	1,070,200	35,683,136	.....				

[1] Includes floated timber where stated, valued at $4,438,845, in 1920; does not include Government materials used in works of improvement.

Passengers carried in 1920, 500,000 (estimated); no report on previous years.

[Navigation season, continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products	.....	189	.....	$175,364
Albumen	.....	.....	$1,000	.....
Casings	31	.....	15,000	.....
Catgut	1	.....	4,000	.....
Eggs	1	.....	66	.....
Goose feathers	16	.....	9,000	.....
Hides and fur	109	.....	143,208	.....
Slippers	6	.....	250	.....
Sardines	25	.....	2,840	.....
Vegetable food products	.....	14,837	.....	2,632,692
Copra	1,661	.....	166,100	.....
Currants, dried	11	.....	7,135	.....
Cocoa	44	.....	11,754	.....
Cassia	13	.....	2,500	.....
Cycas leaves	17	.....	6,000	.....
Coffee	66	.....	16,500	.....
Miso	25	.....	1,455	.....
Coconut, barrels	3,513	.....	651,220	.....
Linseed, barrels	57	.....	8,421	.....
Soy bean, barrels	1,200	.....	116,090	.....
Wood nut, barrels	1,611	.....	1,139,431	.....
Peanuts	542	.....	53,100	.....
Rice	35	.....	3,500	.....
Shoyu	29	.....	2,500	.....
Soy	2	.....	100	.....
Tea	1,980	.....	437,966	.....
Walnut meats	31	.....	.....	.....

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TACOMA HARBOR, WASH.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Other vegetable products		398		$168,490
Agar-agar	19		$7,200	
Camphor			200	
Bulbs	55		7,490	
Moss	2		600	
Pytherum flowers	40		92,000	
Rubber	281		60,000	
Seeds	1		1,600	
Textiles		8,378		3,178,789
Artificial flowers	14		10,900	
Braids	713		440,815	
Carpets	79		48,517	
Cotton Goods	1,331		730,945	
Cloth, hemp	18		6,500	
Embroideries			2,300	
Gunnies	506		75,000	
Garlands	42		2,000	
Hats	51		7,550	
Hemp	199		127,880	
Linen goods	3		3,200	
Mattings rugs	4,679		777,759	
Ropings	355		47,380	
Silk goods	360		889,878	
Flax	1		1,250	
Wadded goods	4		3,250	
Waste cotton	15		1,665	
Willow sheets	8		2,000	
Wood and paper		13,407		1,381,083
Bamboo	2,453		152,406	
Basketware	1,378		197,793	
Blackwood ware	28		5,250	
Furniture	623		34,005	
Lanterns paper	38		1,745	
Paper, newsprint	8,792		981,872	
Pulp wood	66		5,142	
Umbrella handle	5		550	
Woodenware	24		2,300	
Nonmetallic minerals		31,660		1,994,281
Brick, fire	960		22,740	
Crockery	7		600	
Coal	17,504		102,421	
Chinaware	10		1,450	
Glass, window plate	350		57,065	
Porcelain and earthern ware	12,778		1,798,080	
Vacuum flasks	26		6,300	
Watch crystals			3,500	
Ores, metals, and manufactures		120,877		10,421,293
Antimony ware	4		3,500	
Aluminum ware	23		1,800	
Bronze ware	3		800	
Lead	118		10,452	
Marble	2,460		119,460	
Metal ware	1		200	
Ores	117,988		10,211,235	
Spelter	196		30,186	
Tin slabs	84		43,680	
Machinery and vehicles: Electric lamps	20	20	6,250	6,250
Chemicals		5,781		677,469
Arsenic			300	
Celluloid	12		7,959	
Explosives	658		262,263	
Fertilizer	952		35,425	
Menthol	40		100,000	
Nitrates	3,948		258,856	
Creosote	20		413	
Quinine	11		7,250	
Soda ash	140		5,003	
Unclassified		8,335		1,136,405
Brushes	232		173,600	
Bristles	5		17,450	
Buttons	42		50,723	
Beads	14		9,250	
Containers	45		7,842	

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TACOMA HARBOR, WASH.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Unclassified—Continued.				
Fans	58		6,550	
Miscellaneous	2,631		385,763	
Incense	16		2,100	
Matches	749		57,342	
Musical instruments	10		4,770	
Toys and curios	4,533		421,015	
Total imports		203,882		21,772,008
EXPORTS.				
Animals and animal products		1,362		185,000
Fish, cured	565		27,805	
Glue	5		1,550	
Live stock	3		2,700	
Leather	22		12,777	
Milk, canned	108		15,250	
Unedible fats	379		44,665	
Meats, cured	277		73,352	
Shoes	3		6,901	
Vegetable and food products		257,809		14,522,160
Apples	112		11,215	
Barley	984		35,274	
Confectionery	4		1,791	
Cereals	113		11,420	
Coffee substitutes	14		1,800	
Flour	133,969		9,277,830	
Lemons	2		145	
Wheat	122,611		5,181,565	
Yeast			1,120	
Other vegetable products		26		4,480
Nursery stock	1		480	
Seeds	25		4,000	
Textiles		21,175		6,921,638
Cotton	21,057		6,849,866	
Cotton manufactures	118		71,772	
Wood and paper		181,431		2,747,747
Box shooks	11,965		209,475	
Doors, window casings	5,104		544,801	
Excelsior	11		550	
Lumber	151,579		1,872,001	
Logs, cedar	11,980		103,108	
Shingles	751		17,276	
Spars	41		536	
Nonmetallic minerals		2,877		190,103
Carbon	24		4,808	
Glass, window	35		8,416	
Gypsum	250		2,750	
Wax, paraffin	2,568		174,129	
Ores, metals, and manufactures		34,351		7,829,646
Aluminum	23		1,800	
Copper ingots	27,403		7,234,392	
Iron and steel	6,487		517,586	
Lead	118		10,452	
Spelter	196		30,166	
Tin foil	124		35,252	
Machinery and vehicles		4,616		2,148,097
Automobile parts	92		84,180	
Machinery	4,196		1,887,602	
Sewing machines	326		173,810	
Typewriters	2		3,105	
Chemicals		1,224		472,777
Ammunition	1		1,240	
Drugs and chemicals	38		47,512	
Explosives	1,155		420,545	
Putty	8		1,280	
Paint	22		2,200	
Unclassified		1,641		229,412
Total exports		506,512		35,251,662

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TACOMA HARBOR, WASH.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products			1,891		$163,430
Fish, cured		1,224		$70,190	
Meat, cured		465		87,700	
Shells, oyster		202		5,540	
Vegetable food products			1,368		95,968
Barley		275		13,750	
Corn		521		23,200	
Cereals		422		48,897	
Canned goods		134		9,021	
Oranges		16		1,100	
Other vegetable products: Cigars		79	79	31,500	31,500
Nonmetallic minerals			153,903		4,722,807
Brick	537			2,685	
Gypsum	16,980			112,680	
Graphite		25		9,800	
Iron and steel		1,624		107,110	
Marble	2,460			119,460	
Oils, gasoline	56,537			8,143,749	
Oils, distillate	702			14,137	
Oils, refined	7,397			291,252	
Oils, fuel	67,240			915,894	
Salt		401		6,045	
Ores, metals, and manufactures of: Ores	96,519		96,519	8,339,242	8,339,242
Machinery and vehicles			312		224,811
Automobiles		3		3,500	
Machinery		309		221,311	
Unclassified		39,306	39,306	5,761,266	5,761,266
Total receipts, coastwise	248,372	45,006	293,378		19,339,024
SHIPMENTS, COASTWISE.					
Animals and animal products			1,329		304,494
Hides		1,217		278,862	
Meats, cured		77		20,328	
Salmon, cured		35		5,304	
Vegetable food products			72,979		3,821,903
Barley		700		21,000	
Copra meal		560		11,000	
Corn		150		6,802	
Canned goods		439		56,948	
Flour		39,909		2,713,630	
Feed		23,100		709,323	
Hay		2,156		49,637	
Oil, coconut		4		1,440	
Oats		4		240	
Wheat		5,957		251,683	
Other vegetable products			322		47,895
Cascara bark		20		3,000	
Rubber		261		44,000	
Tar		41		895	
Textiles			50		36,063
Braids		16		25,744	
Wool		34		10,319	
Wood and paper			226,833		3,459,496
Box shooks		1,182		20,094	
Broom handles		86		6,737	
Furniture		1,297		110,784	
Lumber	215,331			2,654,193	
Paper, newsprint		2,905		30,757	
Poles and piling		336		2,533	
Wood pipe		10		600	
Nonmetallic minerals			12,194		147,576
Brick		250		1,500	
Coal	11,002			89,060	
Charcoal		10		750	
Marble, cut		420		42,235	
Oil, fuel		470		7,788	
Gasoline		10		5,350	
Plaster		32		893	
Ores, metals, and manufactures			20,398		5,421,007
Copper ingots	20,351			5,364,910	
Hardware		39		55,747	
Tin junk	8			350	

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TACOMA HARBOR, WASH.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS, COASTWISE—continued.					
Chemicals			684		$120,158
Arsenic		640		$116,550	
Creosote		19		1,813	
Fertilizer		25		1,795	
Unclassified			8,064		1,129,515
Brushes		8		6,500	
Containers		254		27,784	
Miscellaneous merchandise		7,802		1,095,230	
Total shipments, coastwise	246,692	95,161	341,853		14,488,107
Total receipts and shipments, coastwise	495,064	140,167	635,231		33,827,131
RECEIPTS, INTERNAL.					
Animals and animal products			1,498		257,331
Fish, fresh		1,090		198,269	
Milk		408		59,062	
Vegetable food products			8,163		779,965
Feed		4,186		147,767	
Flour		791		57,578	
Hay		156		3,120	
Oats		230		11,500	
Produce		2,800		560,000	
Wood and pulp			971,065		4,452,795
Logs, floated	970,135			4,438,845	
Lumber	930			13,950	
Nonmetallic minerals			125,311		97,493
Brick	4,250			21,455	
Lime		771		15,888	
Sand and gravel	120,290			60,150	
Unclassified merchandise		8,799	8,799	1,633,900	1,633,900
Total receipts, internal	1,095,605	19,231	1,114,836		7,221,474
SHIPMENTS, INTERNAL.					
Vegetable food products			5,720		478,711
Canned goods		1,777		233,677	
Flour		3,456		233,414	
Pototoes		270		9,450	
Straw		217		2,170	
Wood and paper: Lumber	3,640		3,640	44,954	44,954
Nonmetallic minerals			3,845		455,312
Brick	175			1,195	
Lime		85		1,727	
Sand and gravel	1,875			940	
Copper ingots	1,710			451,450	
Unclassified: Miscellaneous merchandise		23,384	23,384	3,270,763	3,270,763
Total shipments, internal	7,400	29,189	36,589		4,249,740
Total receipts and shipments, internal	1,103,005	48,420	1,151,425		11,471,214

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TACOMA HARBOR, WASH.—continued.

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Animals and animal products	189	$175,364	1,362	$185,000
Vegetable food products	14,837	2,632,692	257,809	14,522,160
Other vegetable products	398	168,490	26	4,480
Textiles	8,378	3,178,789	21,175	6,921,638
Wood and paper	13,407	1,381,083	181,431	2,747,747
Nonmetallic minerals	31,660	1,994,231	2,877	190,103
Ores, metals, and manufactures of	120,877	10,421,293	34,351	7,829,648
Machinery and vehicles	20	6,250	4,616	2,148,697
Chemicals	5,781	677,469	1,224	472,777
Unclassified	8,335	1,136,405	1,641	229,412
Total	203,882	21,772,066	506,512	35,251,662

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	3,220	$467,924	1,498	$257,321	6,269	$1,085,609
Vegetable food products	74,347	3,917,871	13,883	1,258,676	360,876	22,331,399
Other vegetable products	401	79,395	.....	.....	825	252,365
Textiles	50	36,063	.....	.....	29,603	10,136,490
Wood and paper	225,833	3,459,496	974,705	4,497,749	1,395,376	12,086,075
Nonmetallic minerals	166,097	4,870,383	129,156	552,805	329,790	7,607,522
Ores, metals, and manufactures of	116,917	13,760,249	.....	.....	272,145	32,011,190
Machinery and vehicles	312	224,811	.....	.....	4,948	2,379,758
Chemicals	684	120,158	.....	.....	7,689	1,270,404
Unclassified	47,370	6,890,781	32,183	4,904,663	89,529	13,161,261
Total	635,231	33,827,131	1,151,425	11,471,214	2,497,050	102,322,073

Vessel classification, 1921.

Vessels.	Arrivals.	Departures.	Net registered tonnage.	Loaded draft.
				Feet.
Offshore and coastwise	1,036	1,025	4,591,728	(1)
Internal	11,466	11,466	4,094,882	4-14
Total	12,502	12,491	8,686,610	.....

[1] Maximum draft: Outbound, 32 feet; inbound, 26 feet.

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SEATTLE HARBOR, WASH.

Comparative statement of traffic.

Year.	Total.[1]		Floated timbers.	Passengers.
	Tons.	Value.		
			Tons.	
1914	3,162,625	$157,465,298	702,351	7,151,279
1915	4,161,511	268,614,390	706,684	3,323,438
1916	4,359,476	409,968,905	299,078	2,985,031
1917	4,850,627	599,590,955	435,621	3,579,436
1918	9,947,917	792,120,561	346,864	4,702,336
1919	5,496,677	749,969,957	336,621	4,742,118
1920	5,227,586	588,023,197	435,605	4,969,075
1921	4,117,011	364,976,549	535,961	3,750,316

[1] These totals include floated timber, in 1921, valued at $4,323,421. They do not include Government materials used in works of improvement.

[Navigation season: Continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products		12,753		$3,980,979
Butter	121		$83,921	
Eggs, fresh	641		233,114	
Eggs, dried	311		169,949	
Eggs, frozen	3,026		704,741	
Fish, canned	345		152,051	
Fish, fresh	2,777		470,359	
Fish, salt	1,424		183,066	
Furs and skins	612		1,249,468	
Live stock	147		53,393	
Provisions	3,251		611,956	
Poultry, frozen	98		68,961	
Vegetable food products		32,226		3,898,139
Beverages	123		78,093	
Cocoa	278		41,091	
Coffee	1,940		434,830	
Corn	4		3,120	
Currants	168		40,290	
Feed	2,749		74,130	
Flour	3,595		291,554	
Fruit, fresh	252		27,618	
Linseed oil	336		21,214	
Nuts	880		274,965	
Oats	264		10,951	
Oils, vegetable	4,403		574,403	
Peanuts	9,689		821,134	
Peas	1,084		69,562	
Rice	705		54,814	
Soya-bean cake	2,481		85,007	
Sugar	210		17,010	
Wheat	529		30,772	
Tea	1,552		772,507	
All other	984		170,074	
Other vegetable products		3,433		787,8[illegible]
Agar agar	4		3,489	
Bulbs	1,066		405,769	
Camphor	72		196,053	
Cycos leaves	2		2,821	
Holly	6		4,284	
Pyrethrum flowers	18		25,070	
Seeds	682		15,960	
Tar	1,504		25,726	
Tobacco	65		105,330	

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SEATTLE HARBOR, WASH.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Textiles		47,290		$130,339,868
Braid	529		$706,141	
Burlap	6,662		1,018,977	
Carpets and matting	8,895		1,519,626	
Cordage	88		41,030	
Cotton goods	601		1,384,685	
Dry goods	832		241,116	
Flax manufactures	145		127,668	
Hair	79		117,484	
Jute	248		63,032	
Jute bags	7,369		1,026,133	
Kapoc	46		10,050	
Linoleum	11		7,978	
Silk goods	1,374		11,286,981	
Silk, raw	15,460		110,663,133	
Wool	4,951		2,125,834	
Wood and paper		43,397		5,109,247
Bamboo	762		184,040	
Baskets	719		463,969	
Furniture	1,843		307,958	
Logs and piling, floated	8,488		93,297	
Lumber	2,142		70,477	
Paper	26,071		3,103,838	
Rattan	234		47,840	
Roofing, felt	153		314,734	
Shingles	62		1,949	
Stationery	236		184,940	
Wood manufactures	465		179,357	
Wood pulp	2,222		156,848	
Nonmetallic minerals		253,085		5,812,292
Clay	520		7,855	
Coal	227,869		2,126,665	
Crockery and glassware	336		247,722	
Fire brick	272		3,529	
Gasoline	7,392		425,046	
Glass, window and plate	2,930		450,617	
Lime	4,859		103,221	
Marble	4		3,067	
Oils, miscellaneous	1,285		88,364	
Porcelain	6,258		2,351,487	
Sand	1,331		1,173	
Slate	16		1,036	
Tiles	13		2,495	
Ores, metals, and manufactures of		6,129		989,801
Aluminum	11		2,584	
Antimony	182		21,945	
Coin, gold and silver			157,314	
Concentrates	12		44,099	
Hardware	152		135,375	
Iron ore	735		2,319	
Iron, pig	1,501		57,649	
Iron, scrap	571		4,668	
Iron and steel	816		66,030	
Ore, manganese	120		6,966	
Tin, slab	293		177,913	
Wire	616		127,123	
Zinc, spelter	1,120		155,816	
Machinery and vehicles		149		116,260
Automobiles and parts	29		34,910	
Cream separators	25		13,552	
Machinery	95		67,798	
Chemicals		9,455		562,589
Ammonia gas	98		3,981	
Calcium chloride	44		9,662	
Coal tar	340		9,638	
Creosote oil	5,004		253,296	
Drugs and chemicals	577		71,104	
Fertilizer	1,150		63,998	
Fire works	95		38,389	
Nitrates	2,135		108,000	
Paint	12		4,491	

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SEATTLE HARBOR, WASH.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Unclassified		4,059		$2,268,095
Brushes	214		$506,374	
Empty containers	139		36,806	
Household goods	236		155,977	
Miscellaneous	2,649		689,423	
Toys, notions, and curios	821		879,715	
Total imports		411,976		153,860,117
EXPORTS.				
Animals and animal products		24,258		6,146,783
Bones and hoof	83		7,706	
Boots and shoes	174		126,632	
Butter	199		164,347	
Cheese	31		17,688	
Eggs	791		376,639	
Fish, fresh	119		37,442	
Fish, salt and dried	1,505		203,283	
Furs	11		123,333	
Glue	20		5,902	
Hides	1,236		317,158	
Lard	1,305		272,119	
Live stock	409		64,550	
Meat	2,020		551,946	
Milk, canned	5,429		1,580,998	
Oyster shells	403		11,463	
Salmon, canned	10,174		2,252,723	
Tallow	345		32,859	
Whalebone	4		8,827	
Vegetable food products		168,949		10,902,588
Beans	522		50,169	
Beverages	76		85,055	
Canned goods	3,739		522,163	
Coffee	569		133,050	
Copra	2,000		33,040	
Corn	27		1,150	
Feed	142		6,875	
Fruit, dried	1,115		251,102	
Fruit, fresh	7,519		610,102	
Flour	78,395		5,507,348	
Groceries	531		105,904	
Hay	1,287		25,104	
Nuts	746		140,067	
Oils, vegetable	169		45,980	
Rye	223		11,367	
Sugar	55		9,172	
Vegetables, fresh	2,729		166,553	
Wheat	68,305		2,834,481	
Yeast	222		216,762	
All others	578		147,114	
Other vegetable products		1,552		688,367
Auto tires	67		70,386	
Cascara bark	46		6,653	
Ginseng	7		136,760	
Nursery stock	26		11,026	
Rosin	174		10,215	
Rubber goods	622		358,490	
Seeds	177		39,481	
Tobacco	107		27,134	
Turpentine	326		28,192	
Textiles		39,912		14,237,293
Burlap	1,015		205,009	
Clothing	180		248,767	
Cordage	78		42,878	
Cotton goods	266		116,886	
Cotton, raw	34,967		11,556,021	
Dry goods	346		345,102	
Hemp	109		16,450	
Rags and waste	703		51,367	
Wool	2,348		1,654,812	
Wood and paper		287,155		5,378,988
Box shooks	1,580		121,763	
Furniture	188		131,820	

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SEATTLE HARBOR, WASH.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Wood and paper—Continued.				
Logs, cedar	41,819		$726,633	
Lumber	235,810		3,765,105	
Paper	1,595		156,112	
Piling	3,887		32,333	
Stationery	1,410		294,384	
Wood manufactures	857		148,986	
Wood pulp	9		1,800	
Nonmetallic minerals		9,615		$591,666
Asbestos products	125		31,923	
Asphalt	23		683	
Brick	532		5,207	
Cement	83		6,075	
Coal	112		2,556	
Crockery and glassware	123		84,755	
Fuel oil	3,001		41,031	
Gasoline	387		25,962	
Glass, window	217		29,480	
Lime	839		34,365	
Lubricating oil	750		68,938	
Paraffin wax	1,961		239,476	
Salt	1,447		20,621	
Sand	15		494	
Ores, metals, and manufactures of		64,120		7,243,321
Brass	108		18,424	
Coin, gold and silver	1		540,962	
Copper	3,903		1,027,601	
Hardware	875		517,480	
Iron and steel	52,340		4,363,039	
Lead	112		9,852	
Manganese ore	26		1,560	
Nails	215		22,236	
Pig iron	206		4,355	
Tin, plate	3,193		432,239	
Wire	1,815		134,277	
Wire rope	71		13,933	
Zinc	1,255		157,363	
Machinery and vehicles		7,799		2,547,899
Automobiles and parts	406		278,836	
Machinery	7,393		2,269,063	
Chemicals		4,328		662,265
Acetate of lime	923		37,410	
Ammonia	71		83,773	
Drugs and chemicals	476		332,694	
Explosives	96		59,874	
Fertilizer	61		5,373	
Nitrate of soda	2,311		78,222	
Paint	289		47,328	
Soap	101		17,591	
Unclassified		2,230		843,673
Household goods	198		91,741	
Miscellaneous	1,865		558,948	
Toys, notions, and curios	167		192,984	
Total exports		609,919		49,242,769
Total imports and exports		1,021,885		203,102,886

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SEATTLE HARBOR, WASH.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products			72,416		$15,454,497
Butter		645		$503,729	
Fish, canned		44,733		9,943,098	
Fish, dried and salt		2,508		758,204	
Fish, fresh	7,935	4,480		2,193,336	
Furs		314		506,182	
Herring, cured		6,842		822,611	
Lard		1,618		453,120	
Leather manufactures		102		106,544	
Oyster shells		2,499		67,421	
All others		1,340		100,252	
Vegetable food products			60,563		9,443,456
Barley		450		18,000	
Beans		1,446		139,620	
Beet pulp		939		34,990	
Beverages		455		39,753	
Canned fruits and vegetables		7,392		1,680,760	
Chocolate		802		554,509	
Cocoanut oil		2,547		381,582	
Confectionery		434		112,035	
Coffee		2,505		779,099	
Copra cake		4,502		121,498	
Corn		927		58,120	
Fruit, dried		1,135		143,435	
Fruit, fresh		2,246		325,269	
Groceries		903		218,231	
Rice		1,899		280,900	
Sugar		26,818		3,738,421	
Sirup		2,350		185,435	
Vegetables, fresh		356		44,925	
Wheat		78		3,917	
All others		2,379		582,957	
Other vegetable products			5,147		4,249,254
Auto tires		684		328,750	
Brooms and brushes		87		147,935	
Cigars and tobacco		1,619		3,065,903	
Copal gum		450		105,684	
Electric supplies, rubber		1,161		361,590	
Rosin		242		11,907	
Rubber goods		312		141,530	
Seeds		264		59,458	
Turpentine		328		26,497	
Textiles			7,132		2,518,234
Burlap		1,183		295,699	
Carpets and rugs		88		67,730	
Cordage		844		281,125	
Cotton waste		159		25,534	
Dry goods		1,517		847,481	
Hemp		2,134		372,628	
Kapoc		65		13,825	
Linoleum		1,088		598,252	
Oakum		64		15,950	
Wood and paper			10,593		643,017
Cork		67		16,339	
Furniture		223		67,462	
Lumber	671			36,227	
Paper, newsprint and wrapping		8,670		587,605	
Stationery		396		139,533	
Wood products		455		89,603	
Wood pulp		111		6,248	
Nonmetallic mineral			1,048,664		30,482,862
Asphalt		4,406		66,100	
Brick	72			792	
Cement		71		2,080	
Coal	21,950			229,624	
Crockery and glassware		606		114,089	
Fire clay		172		3,750	
Fuel oil	686,163			7,808,832	
Gasoline	306,049			19,117,295	
Lubricating oil		14,520		2,464,607	
Marble	28			3,528	
Petroleum products		1,603		301,738	
Salt		12,257		327,026	

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SEATTLE HARBOR, WASH.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE—continued.					
Nonmetalic mineral—Continued.					
Sand		100		$3,190	
Sulphur		54		1,890	
Talcum	573			30,815	
Tiles		31		7,506	
Ores, metals, and manufactures of			43,272		$12,209,500
Concentrates		1,595		609,467	
Gold dust and bullion		13		5,842,199	
Hardware		1,880		689,564	
Iron and steel		19,673		1,090,100	
Lead	154	1,028		295,201	
Nails		4,875		644,785	
Ore, silver and lead		2,604		449,606	
Tin cans		1,477		169,792	
Tin	3,908			1,183,850	
Wire		4,602		860,924	
Wire rope		1,373		374,012	
Machinery and vehicles			3,147		1,072,474
Automobiles and parts		315		252,913	
Machinery		2,832		819,561	
Chemicals			11,682		2,022,179
Ammunition		41		54,817	
Bicarbonate of soda		1,022		55,934	
Drugs and chemicals		2,757		849,073	
Explosives		182		42,368	
Fertilizer		1,288		55,017	
Paint		2,991		522,890	
Soap		3,401		442,080	
Unclassified			8,704		3,520,613
Household goods		302		204,175	
Miscellaneous		7,941		3,030,101	
Musical instruments		167		186,437	
Toys		294		99,900	
Total receipts, coastwise	1,027,512	243,808	1,271,320		81,616,076
SHIPMENTS COASTWISE.					
Animals and animal products			53,668		10,276,673
Butter		645		561,496	
Casings		59		148,430	
Cheese		155		85,474	
Eggs		1,039		605,438	
Fish, cured		798		229,465	
Furs and skins		82		112,897	
Hides		236		103,600	
Lard		375		115,443	
Leather manufactures		343		373,573	
Live stock		328		78,920	
Meat, fresh		2,995		1,352,487	
Milk, canned		11,351		2,125,024	
Salmon, canned		34,648		4,298,428	
Tallow		614		84,998	
Vegetable food products			115,166		10,102,320
Barley		25		741	
Beverages		692		72,056	
Canned fruit and vegetables		4,818		1,125,509	
Cereals		1,704		223,696	
Coffee		370		212,124	
Confectionery		1,302		361,600	
Corn		656		24,953	
Feed		14,272		558,162	
Flour		61,124		4,690,782	
Fruit, fresh		4,559		667,049	
Groceries		1,105		268,866	
Hay		4,886		123,910	
Oats		4,054		213,018	
Peanuts		654		74,084	
Potatoes		5,467		196,473	
Rice		400		47,846	
Sugar		2,758		422,822	
Vegetables, fresh		2,651		388,624	
Wheat		2,120		93,366	
All others		1,549		336,639	

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SEATTLE HARBOR, WASH.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS, COASTWISE—continued.					
Other vegetable products			1,591		$1,124,383
Automobile tires		272		$123,194	
Cascara bark		15		2,000	
Camphor		5		14,500	
Naval stores		434		27,319	
Rubber goods		263		144,363	
Starch		32		6,704	
Seeds		313		44,310	
Tobacco		257		761,993	
Textiles			5,699		3,369,409
Brooms and brushes		17		29,848	
Burlap		524		131,360	
Carpets and rugs		71		59,965	
Clothing		993		770,740	
Cordage		673		376,205	
Cotton		60		13,750	
Dry goods		1,029		581,178	
Hemp		93		18,600	
Matting		287		75,450	
Wool		1,952		1,312,313	
Wood and paper			93,943		3,080,442
Box shooks		4,085		130,338	
Furniture		457		151,033	
Lumber	62,475			1,017,626	
Paper, newsprint and wrapping		16,071		933,391	
Piles and poles	1,633			21,147	
Sashes and doors		369		47,033	
Shingles		4,485		167,973	
Stationery		961		304,446	
Wood products		3,012		287,376	
Wood pulp		295		20,079	
Nonmetallic minerals			22,850		1,047,199
Brick	94			1,585	
Cement		2,904		50,620	
Coal	9,629			116,747	
Crockery and glassware		1,187		256,334	
Glass, window and plate		128		37,714	
Lime		2,108		36,841	
Oil, lubricating		2,607		248,186	
Oil, miscellaneous		1,092		246,250	
Salt		3,101		52,922	
Ores, metals and manufactures of			32,876		6,436,852
Concentrates		205		94,100	
Copper ingots	5,395			2,610,718	
Hardware		10,829		1,357,269	
Iron and steel		8,382		830,961	
Lead, pig	1,065			159,320	
Metal products		497		106,105	
Nails		1,101		121,101	
Ore, silver, lead		1,682		441,261	
Tin cans		2,121		360,985	
Tin plate		417		65,965	
Wire		933		207,483	
Zinc		249		81,584	
Machinery and vehicles			4,051		1,627,030
Automobiles and parts		333		319,515	
Machinery		3,718		1,307,515	
Chemicals			5,059		1,189,457
Ammonia		113		44,300	
Arsenic		83		21,468	
Drugs and chemicals		1,519		405,192	
Explosives		1,441		471,499	
Fertilizer		776		24,819	
Paint		649		128,115	
Soap		478		94,064	

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SEATTLE HARBOR, WASH.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS, COASTWISE—continued.					
Unclassified			9,052		$3,078,450
Films		159		$526,160	
Household goods		617		193,373	
Musical instruments		1,485		114,370	
Miscellaneous		6,791		2,244,547	
Total shipments, coastwise	80,291	263,664	343,955		41,332,215
Total receipts and shipments, coastwise	1,167,803	507,472	1,615,275		122,948,291
RECEIPTS, INTERNAL.					
Animals and animal products			1,388		200,457
Clams, canned		8		1,620	
Milk, fresh		1,262		175,240	
Salmon, canned		118		23,597	
Vegetable food products			11,062		362,063
Cereals		1,660		61,728	
Feed and grain		8,271		250,980	
Fruit, canned		124		24,200	
Oats		1,007		25,175	
Wood and paper			512,722		4,208,364
Logs, floated	500,710			4,032,472	
Lumber	11,382			151,119	
Shingles		630		24,773	
Nonmetallic minerals			382,967		678,170
Brick	2,869			19,714	
Coal	3,219			25,752	
Lime		12,851		384,363	
Sand and gravel	364,028			248,341	
Unclassified		255,783	255,783	17,999,962	17,999,962
Total receipts	882,208	281,714	1,163,922		23,449,036
SHIPMENTS, INTERNAL.					
Vegetable food products			12,781		795,714
Cereals		8,172		534,717	
Feed and grain		4,579		254,997	
Fruit, canned		30		6,000	
Wood and paper			89,619		1,064,445
Logs, floated	26,763			197,652	
Lumber	61,075			818,794	
Shingles		1,781		47,999	
Nonmetallic minerals			9,498		73,961
Brick	19			7,380	
Coal	2,749			29,010	
Lime		1,119		33,570	
Sand and gravel	5,611			3,991	
Ores, metals and manufactures of: Tin cans		1,516	1,516	217,546	217,546
Unclassified		202,506	202,506	13,324,680	13,324,680
Total shipments	96,217	219,703	315,920		15,476,336
Total receipts and shipments, internal	978,425	501,417	1,479,842		38,925,372

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SEATTLE HARBOR, WASH.—continued.

SUMMARY.

Classes and commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Animals and animal products	11,753	$3,980,979	24,258	$6,146,753
Vegetable food products	32,226	3,893,139	168,949	10,902,568
Other vegetable products	3,433	787,877	1,552	688,367
Textiles	47,290	130,339,868	39,912	14,237,292
Wood and paper	43,397	5,109,247	287,155	5,378,935
Nonmetallic minerals	253,085	5,812,292	9,615	591,656
Ores, metals, and manufactures of	6,129	989,801	64,120	7,243,321
Machinery and vehicles	149	116,260	7,799	2,547,899
Chemicals	9,455	562,559	4,319	662,265
Unclassified	4,059	2,268,095	2,290	843,673
Total	411,976	153,860,117	609,918	49,242,769

Classes and commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	126,084	$25,731,170	1,388	$200,457	164,483	$36,059,359
Vegetable food products	175,729	19,545,776	23,843	1,157,797	400,747	35,499,29[illegible]
Other vegetable products	6,738	5,373,637	.....	.....	11,723	6,849,881
Textiles	12,831	5,887,633	.....	.....	100,033	150,464,73[illegible]
Wood and paper	104,536	3,723,459	602,341	5,272,809	1,037,429	19,484,450
Nonmetallic minerals	1,071,514	31,530,061	392,465	752,121	1,726,679	38,686,140
Ores, metals, and manufactures of	76,148	18,646,352	1,516	217,546	147,913	27,097,020
Machinery and vehicles	7,198	2,699,504	.....	.....	15,146	5,363,663
Chemicals	16,741	3,211,636	.....	.....	30,515	4,436,460
Unclassified	17,756	6,599,063	458,289	31,324,642	482,334	41,035,473
Total	1,615,275	122,948,291	1,479,842	38,925,372	4,117,011	364,976,549

Vessel classification, 1921.

OFFSHORE AND COASTWISE.

Class.	Number of vessels.		Arrivals.	Departures.	Net registered tonnage
	American.	Foreign.			
Steam	2,615	684	1,657	1,299	9,207,662
Sail	65	9	42	32	74,52[illegible]
Motor	3,179	18	1,561	1,636	295,922
Barges	14	.....	7	7	29,53[illegible]
Total	5,873	711	3,267	3,317	9,607,642

Passengers, coastwise and offshore, 244,500.

LOCAL.

Steam, sail	.....	.....	.....	.....	.....
Motor, barges	36,983	2,616	19,773	19,826	10,655,036

Passengers, local, 3,505,816.

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SEATTLE HARBOR, WASH.—continued.

SUMMARY.

Vessels.	Arrivals.	Departures.	Total net registered tonnage.	Passengers.
Coastwise and offshore	3,267	3,317	9,607,642	244,500
Local	19,773	19,826	10,655,056	3,505,816
Total	23,040	23,143	20,262,698	3,750,316

LAKE WASHINGTON SHIP CANAL, WASH.

Comparative statement of traffic.

Year.	Total.[1]		Floated timbers.	Passengers.
	Tons.	Value.		
			Tons.	
1916 (Aug. 1 to Dec. 31)	323,631	$1,898,057	279,000	11,869
1917	650,307	4,254,202	543,000	28,350
1918	765,429	6,521,130	554,000	20,459
1919	1,020,710	9,520,371	774,000	26,715
1920	1,368,898	15,567,829	918,737	28,636
1921	[2] 1,508,766	14,777,343	826,887	32,075

[1] These totals include floated timber, valued at $4,619,775 in 1921. They do not include Government materials used in works of improvement.
[2] Does not include 9,529 tons in transit.

These statistics cover traffic through the locks only. For complete commercial statistics for Seattle Harbor see report on "Seattle Harbor, Wash."

[Navigation season, continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper		53,279		$274,387
Logs (barged)	3,279		$16,887	
Logs rafted and floated	50,000		257,500	
Nonmetallic minerals		99,811		450,262
Coal, bituminous	89,653		89,653	
Lime	10,158		360,609	
Chemicals: Coal tar	1,219	1,219	43,884	43,884
Total imports		154,309		768,533
EXPORTS.				
Wood and paper: Lumber	52,280	52,280	721,920	731,920
Chemicals: Creosote	370	370	29,600	29,600
Total exports		52,650		761,520
Total foreign		206,959		1,530,053

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LAKE WASHINGTON SHIP CANAL, WASH.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
Animals and animal products:						*Miles.*	
Fish		3,220	3,220	$966,000	$966,000	1,000	$0.01
SHIPMENTS, COASTWISE.							
Wood and paper: Lumber	62,551		62,551	750,602	750,602	5,000	.003
Total, coastwise			65,771		1,716,602		
RECEIPTS, INTERNAL.							
Animals and animal products:							
Fish, canned		770	770	231,000	231,000	40	.03
Wood and paper			671,296		3,633,192	65	.005
Boom sticks (floated)	17,493			174,930			
Lath		282		8,525			
Logs (floated)	633,274			3,261,361			
Lumber	6,518			78,216			
Piles (floated)	9,780			78,240			
Shingles		689		20,670			
Wood	8,250			16,250			
Nonmetallic minerals			361,514		3,986,961	40	.009
Brick	3,314			33,140			
Cement		201		4,221			
Coke	219			1,971			
Lime		21,740		771,770			
Oil, fuel	31,740			476,100			
Oil, refined	17,259	10,586		2,415,179			
Sand	91,735			91,735			
Gravel	183,470			183,470			
Tile	1,250			9,375			
Ores, metals, and manufactures of: Structural steel	1,346		1,346	201,900	201,900	30	.03
Chemicals			1,808		206,680	30	.03
Creasote	500			40,000			
Coal tar		855		30,780			
Explosives		453		135,900			
Unclassified		2,590	2,590	518,000	518,000	20	.03
Total receipts, internal			1,039,314		8,777,733		
SHIPMENTS, INTERNAL.							
Animals and animal products:							
Fish, fresh	104		104	31,200	31,200	30	.03
Wood and paper			148,474		1,146,462	50	.009
Boom sticks (floated)	49,115			491,115			
Logs (floated)	59,619			307,038			
Lumber	22,612			271,344			
Shingles		1,388		41,640			
Hogged fuel	13,122			7,873			
Lath		1,915		23,037			
Wood	703			3,515			
Nonmetallic minerals			26,577		374,702	25	.01
Brick	142			1,420			
Coal, bituminous	3,482			34,820			
Lime		1,223		43,414			
Oil, fuel	3,134			47,010			
Oil, refined	919	1,298		225,079			
Cement		329		6,909			
Sand	5,350			5,350			
Gravel	10,700			10,700			
Ores, metals and manufactures of			833		148,700	30	.03
Tin		95		38,000			
Structural steel	738			110,700			
Machinery and vehicles: Machinery	159		159	79,500	79,500	40	.04

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LAKE WASHINGTON SHIP CANAL, WASH.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
SHIPMENTS, INTERNAL—contd.						Miles.	
Chemicals			2,026		$177,700	40	$0.04
Explosives		71		$21,300			
Creosote	1,955			156,400			
Unclassified		3,545	3,545	709,000	709,000		
Total receipts and shipments, internal			181,718		2,667,264		
LOCAL RECEIPTS AND SHIPMENTS.							
Wood and paper			8,872		65,071	11	.04
Lumber	1,250			15,000			
Piles (floated)	3,656			29,248			
Logs (floated)	3,950			20,343			
Spars	16			480			
Nonmetallic minerals: Coal	1,082		1,082	10,820	10,820	11	.04
Unclassified		50	50	10,000	10,000	11	.04
Total, local	9,954		10,004		85,891		

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Wood and paper	56,279	$274,387	52,280	$731,920
Nonmetallic minerals	99,811	450,262		
Chemicals	1,229	43,884	370	29,600
Total	154,309	768,533	52,650	761,520

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animal products	3,220	$966,000	874	$262,200	4,094	$1,228,200
Wood and paper	62,551	750,602	828,632	4,844,725	996,742	6,601,634
Nonmetallic minerals			339,173	4,372,283	488,984	4,852,545
Ores and metals			2,179	350,600	2,179	350,600
Machinery and vehicles			159	79,500	159	79,500
Chemicals			3,834	384,380	5,423	457,864
Unclassified			6,185	1,237,000	6,185	1,237,000
Total	65,771	1,716,602	1,231,036	11,530,688	1,503,766	14,777,343

	Short tons.	Value.
Cargoes in transit	9,529	$1,010,420
Total commerce originating and destined to the port	1,503,766	14,777,343
Total commerce passing through the port, including that remaining on the vessel	1,513,295	15,787,763

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The present limit of draft for loaded vessels making use of the canal follows: Vessels 3 to 7 feet draft, 60 per cent of traffic; vessels 7 to 18 feet draft, 38 per cent of traffic; vessels 18 to 29 feet draft, 2 per cent of traffic.

The full project width is necessary for practically the entire commerce and the full project depth between the locks and Lake Washington for about 50 per cent of the commerce. The full project depth between Puget Sound and the locks is necessary for a very small percentage of the present commerce.

SNOHOMISH RIVER, WASH.

Comparative statement of traffic.

Year.	Total.[1]		Floated timbers.	Passengers.
	Tons.	Value.		
			Tons.	
1901	5,000	$314,250	.....	45,916
1902	8,862	219,100	.....	34,445
1903	23,710	283,738	.....	(2)
1904	14,644	168,111	.....	(2)
1905	32,530	320,734	.....	(2)
1906	59,607	432,885	.....	(2)
1907	33,069	1,076,378	.....	(2)
1909 [3]	926,183	7,203,365	607,718	(2)
1910 [3]	912,005	8,237,135	740,440	(2)
1911	910,855	4,152,836	875,438	(2)
1912	1,096,731	5,775,225	1,036,577	(2)
1913	1,300,344	7,225,186	1,185,967	(2)
1914	834,651	4,405,380	762,253	(2)
1915	898,141	4,299,736	831,236	(2)
1916	980,859	4,867,371	895,895	(2)
1917	1,038,477	6,079,809	942,593	(2)
1918	1,168,569	7,788,065	1,071,097	(2)
1919	1,044,791	9,577,870	1,004,054	(2)
1920	1,274,132	10,779,591	1,196,729	(2)
1921	1,330,603	6,642,780	1,272,863	(2)

[1] These totals include floated timber where stated. In 1921, valued at $5,985,958. Do not include Government materials used in works of improvement.
[2] Not reported.
[3] 1909 and 1910 includes commerce of Everett Harbor.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS AND SHIPMENTS, INTERNAL.					
Wood and paper	.....	.....	1,321,071	$1,321,071	$6,594,264
Logs, floated	1,272,863	.....	.....	5,985,958	.....
Lumber	48,208	.....	.....	608,306	.....
Nonmetallic minerals	.....	.....	9,532	.....	48,516
Lime rock	7,680	.....	.....	20,736	.....
Fuel oil	1,852	.....	.....	27,780	.....
Total	1,330,603	.....	1,330,603	.....	6,642,780

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SNOHOMISH RIVER, WASH.—continued.

SUMMARY.

Classes of commodities.	Internal.	
	Tons.	Value.
Wood and paper	1,321,071	$6,594,264
Nonmetallic minerals	9,532	48,516
Total	1,330,603	6,642,780

Vessel classification, 1921.

Class.	Number of vessels. American.	Arrivals.	Departures.	Total net registered tonnage.	Draft.
					Feet.
Steamers	5	959	959	151,102	3 – 9
Motor	9	1,138	1,138	35,720	2½– 6½
Barges	.....	111	111	66,404	5 –10
Rafts	.....	.....	1,178	.....	.....
Total	.....	2,208	3,386	253,226	.....

SKAGIT RIVER, WASH.

Comparative statement of traffic.

Year.	Total.[1]		Floated timbers	Passengers.	Year.	Total.[1]		Floated timbers.	Passengers.
	Tons.	Value.				Tons.	Value.		
			Tons.					*Tons.*	
1901	25,155	$1,185,170	(2)	(2)	1912	263,721	$4,060,693	208,934	1,422
1902	61,794	2,324,980	.....	4,130	1913	420,606	5,062,919	365,171	1,352
1903	50,405	2,840,690	.....	(2)	1914	468,887	5,597,646	412,842	1,534
1904	29,108	1,116,469	.....	(2)	1915	412,534	4,881,962	356,944	(2)
1905	23,489	1,029,571	.....	(2)	1916	430,747	5,356,162	356,381	2,215
1906	24,668	1,623,124	.....	(2)	1917	554,797	9,287,915	466,572	1,437
1907	27,690	1,328,396	.....	(2)	1918	733,022	11,533,174	674,492	1,305
1908	30,400	1,340,325	.....	(2)	1919	339,870	7,863,440	235,326	394
1909	140,839	2,781,002	101,267	(2)	1920	484,171	8,295,705	426,389	81
1910	210,564	3,718,378	176,759	(2)	1921	508,116	5,872,359	458,370	59
1911	190,310	3,764,636	124,744	(2)					

[1] These totals include floated timber where stated, in 1921, valued at $2,213,680. They do not include Government materials used in works of improvement.
[2] Not reported.

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SKAGIT RIVER, WASH.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL RECEIPTS AND SHIPMENTS.					
Animals and animal products			16,385		$2,172,055
Canned milk		16,250		$2,125,000	
Eggs		60		30,180	
Live stock		75		16,875	
Vegetable food products			4,200		222,020
Feed and grain		800		40,000	
Fruit and vegetables		738		84,870	
Hay		540		5,400	
Oats		1,822		45,550	
Sugar		200		46,200	
Wood and paper			458,415		2,194,289
Logs, floated	454,070			2,192,189	
Lumber	45			600	
Shingle bolts, floated	4,300			21,500	
Nonmetallic minerals			21,680		68,385
Fuel oil	3,084			46,260	
Gravel	11,000			11,000	
Sand	4,950			4,950	
Rock	2,346			2,875	
Salt		300		3,300	
Ores, metals and manufactures of: Agricultural implements		133	133	50,540	50,490
Unclassified		7,303	7,303	1,165,160	1,165,160
Total	479,795	28,321	508,116		5,872,350

SUMMARY.

Classes of commodities.	Internal.	
	Tons.	Value.
Animals and animal products	16,385	$2,172,055
Vegetable food products	4,200	222,020
Wood and paper	458,415	2,194,289
Nonmetallic minerals	21,680	68,385
Ores, metals and manufactures of	133	50,490
Unclassified	7,303	1,165,160
Total	508,116	5,872,350

Vessel classification, 1921.

Class.	American vessels.	Arrivals.	Departures.	Net registered tonnage.	Draft.	Passengers.
					Feet.	
Steamers	2	228	228	155,924	4 -6	59
Tugboats	7	Continuous towing.		4-257	2½-6	
Total	9	228	228	155,924		59

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SWINOMISH SLOUGH, WASH.

Comparative statement of traffic.

Year.	Total.[1]		Floated timbers.	Year.	Total.[1]		Floated timbers.
	Tons.	Value.			Tons.	Value.	
			Tons.				*Tons.*
1901	137,747	$2,991,330	.....	1912	64,523	$1,369,134	.....
1902	49,914	1,472,847	.....	1913	121,674	2,212,554	66,360
1903	51,339	1,473,197	.....	1914	30,731	670,826	4,254
1904	56,262	1,539,094	.....	1915	32,925	790,200	2,000
1905	48,724	1,363,729	.....	1916	112,224	2,046,596	51,220
1906	53,261	1,404,382	.....	1917	54,347	2,509,948	4,832
1907	46,289	1,582,666	.....	1918	9,156	528,649	.....
1909	54,163	1,358,460	.....	1919	10,656	655,628	.....
1910	44,947	1,360,325	2,100	1920	15,519	593,479	1,500
1911	53,247	1,018,391	7,000	1921	24,626	591,766	2,190

[1] These totals include floated timber where stated, in 1921, valued at $11,460. They do not include Government materials used in works of improvement.

[Navigation season, continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Vegetable food products: Oats	700	700	$17,500	$17,500

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS AND SHIPMENTS, INTERNAL.						*Miles.*	
Animals and animal products	.....	.....	483	.....	$48,495	.....	.....
Fish, fresh	453	.....	.....	$44,835	.....	.....	.....
Salmon, canned	.....	30	.....	3,660	.....	20	$0.03
Vegetable food products	.....	.....	16,498	.....	379,875	.....	.....
Hay	.....	2,200	.....	2,200	.....	30	.07
Oats	.....	14,298	.....	357,875	.....	.....	.....
Textiles: Grain bags	.....	95	95	20,000	20,000	.....	.....
Wood and paper	.....	.....	2,340	.....	13,260	.....	.....
Logs, floated	2,070	.....	.....	10,500	.....	.....	.....
Piles, floated	120	.....	.....	960	.....	.....	.....
Lumber	150	.....	.....	1,800	.....	.....	.....
Nonmetallic minerals	.....	.....	3,391	.....	67,876	.....	.....
Distillate	.....	61	.....	3,294	.....	.....	.....
Gasoline	622	.....	.....	52,683	.....	.....	.....
Gravel	400	.....	.....	400	25	25	.08
Petroleum products	.....	35	.....	2,372	.....	.....	.....
Refined oil	127	.....	.....	6,477	.....	.....	.....
Rock	2,046	.....	.....	2,500	.....	30	.05
Sand	100	.....	.....	150	.....	12	.20
Unclassified: General miscellaneous	.....	1,119	1,119	44,760	44,760	.....	.....
Total	6,088	17,838	23,926	.....	574,266	.....	.....

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SWINOMISH SLOUGH, WASH.—continued.

SUMMARY.

Classes of commodities.	Foreign, exports.		Domestic, internal.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			483	$48,495	483	$48,495
Vegetable food products	700	$17,500	16,498	379,375	17,198	397,375
Textiles			95	20,000	95	20,000
Wood and paper			2,340	13,260	2,340	13,260
Nonmetallic minerals			3,391	67,876	3,391	67,876
Unclassified			1,119	44,760	1,119	44,760
Total	700	17,500	23,926	574,266	24,626	591,766

Vessel classification, 1921.

Class.	Number of vessels.		Arrivals.	Departures.	Net registered tonnage.	Draft.
	American.	Foreign.				
						Feet.
Steamers	5	1	162	162	45,812	4-7
Launches			[1] 3,000	[1] 3,000		
Total	5	1	3,162	3,162	45,812	

[1] Estimated.

ANACORTES HARBOR, WASH.

Comparative statement of traffic.

Year.	Total.[1]		Floated timbers.	Passengers
	Tons.	Value.		
			Tons.	
1918	32,365	$1,662,739	None.	33,658
1919	205,174	4,789,990	140,512	61,854
1920	138,283	5,257,327	86,897	47,952
1921	105,661	2,959,447	64,079	25,108

[1] These totals include floated timber where stated, in 1921, valued at $204,087. They do not include Government materials used in works of improvement.

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ANACORTES HARBOR, WASH.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Logs, floated	9,342	9,342	$62,299	$62,299
Nonmetallic minerals		2,038		8,694
Coal	2,000		8,200	
Fire brick	38		494	
Total imports		11,380		70,993
EXPORTS.				
Animals and animal products: Salmon, canned	11	11	1,080	1,080
Total imports and exports		11,391		72,073

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products			4,708		$731,730
Fish, canned		4,664		$727,500	
Fish, salt		44		4,230	
Wood and paper: Labels		8	8	6,000	6,000
Nonmetallic minerals: Salt		53	53	1,060	1,060
Ores, metals, and manufactures of			2,376		105,743
Cans, empty		2,247		82,844	
Wire netting		129		22,899	
Unclassified		24	24	2,611	2,611
Total receipts, coastwise		7,169	7,169		847,144
SHIPMENTS, COASTWISE.					
Animals and animal products: Salmon, canned		3,691	3,691	554,152	554,152
Wood and paper			469		20,607
Box shooks		368		3,800	
Labels		19		14,250	
Shingles		82		2,557	
Ores, metals, and manufactures of			1,078		88,660
Tin cans, empty		681		26,560	
Tin, plate		253		40,500	
Wire netting		144		21,600	
Total shipments, coastwise		5,238	5,238		663,419
Total receipts and shipments, coastwise		12,407	12,407		1,510,563
RECEIPTS AND SHIPMENTS, INTERNAL.					
Animals and animal products			4,189		619,784
Butter		12		7,920	
Cream and milk		62		5,900	
Eggs		31		15,554	
Fish, fresh	1,434			147,180	
Fish, salt		1,570		194,000	
Meat, fresh		145		76,630	
Salmon, canned		935		172,600	
Vegetable food products			1,097		138,398
Beverages		60		6,000	
Confectionery		24		6,120	
Feed		444		12,360	
Groceries		324		76,788	

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ANACORTES HARBOR, WASH.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS AND SHIPMENTS, INTERNAL—continued.					
Vegetable food products—Continued.					
Fruit, fresh		120		$16,800	
Sugar		80		12,320	
Vegetables, fresh		45		8,010	
Other vegetable products: Tobacco		6	6	8,760	$8,760
Wood and paper			70,301		295,268
Box shooks		6,222		91,181	
Logs, floated	64,079			204,087	
Nonmetallic minerals			4,993		144,735
Distillate	419			23,953	
Fuel oil	1,432			19,228	
Gasoline	1,069			91,812	
Gravel	819			615	
Lime		57		1,710	
Petroleum products		77		4,237	
Salt		245		2,510	
Sand	875			660	
Ores, metals, and manufactures of			203		44,136
Hardware		132		34,056	
Steel		18		1,800	
Tin cans		53		8,280	
Machinery and vehicles: Machinery		80	80	27,440	27,440
Chemicals			595		24,990
Fertilizer		535		8,130	
Drugs and chemicals		60		16,860	
Unclassified		399	399	73,300	73,300
Total receipts and shipments, internal	70,127	11,736	81,863		1,376,811

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Animals and animal products			11	$1,080
Wood and paper	9,342	$62,299		
Nonmetallic minerals	2,038	8,694		
Total	11,380	70,993	11	1,080

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	8,399	$1,285,882	4,189	$619,784	12,599	$1,905,746
Vegetable food products			1,097	138,398	1,097	138,398
Other vegetable products			6	8,760	6	8,760
Wood and paper	477	26,607	70,301	295,268	80,120	384,174
Nonmetallic minerals	53	1,060	4,993	144,735	7,084	154,489
Ores, metals, and manufactures of	3,454	194,403	203	44,136	3,657	238,539
Machinery and vehicles			80	27,440	80	27,440
Chemicals			595	24,990	595	24,990
Unclassified	24	2,611	399	73,300	423	75,911
Total	12,407	1,510,563	81,863	1,376,811	105,661	2,959,447

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ANACORTES HARBOR, WASH.—continued.

Vessel classification, 1921.

Class.	Number of vessels.		Total.		Total net registered tonnage.
	American.	Foreign.	Arrivals.	Departures.	
Steam	11	3	1,666	1,666	171,234
Sail	2		2	2	3,266
Motor	6		124	124	7,094
Barges			25	25	10,400
Total	19	3	1,817	1,817	191,994

Passengers, 25,106.

Loaded draft of vessels (feet).

	Offshore.		Coastwise.	
	Imports.	Exports.	Receipts.	Shipments.
Maximum	9	9	25	26
Minimum			20	11

BELLINGHAM BAY AND HARBOR, WASH.

Comparative statement of traffic.

Year.	Total.[1]		Floated timbers.	Car ferry.	Passengers.
	Tons.	Value.			
			Tons.	*Tons.*	
1903	101,989	$1,835,486			(2)
1904	236,669	4,225,480			(2)
1905	254,240	4,690,936			(2)
1906	292,592	5,643,504			(2)
1907	319,613	7,209,796			(2)
1908	350,346	8,682,440	145,190		(2)
1909	334,501	8,857,250	135,000		(2)
1910	358,204	7,023,072	193,665		(2)
1911	240,122	1,755,684	117,403		(2)
1912	456,776	5,499,169	270,861		(2)
1913	573,833	7,638,792	361,673		88,467
1914	598,945	8,671,544	363,264		104,369
1915	531,971	9,162,243	271,358		92,889
1916	480,272	8,604,714	245,145		551,300
1917	434,340	10,846,243	211,512		(2)
1918	207,427	7,043,772	23,481		63,877
1919	278,383	16,029,958	20,247		(2)
1920	[3] 534,104	16,577,763	246,383	144,960	[4] 18,000
1921	514,595	12,383,200	256,586	138,142	39,600

[1] These totals include floated timber where stated; in 1921, valued at $1,600,174. They do not include Government materials used in works of improvement.
[2] Not reported.
[3] Exclusive of car-ferry traffic.
[4] Estimated.

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BELLINGHAM BAY AND HARBOR, WASH.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Logs, floated	9,990	9,990	$74,294	$74,294
Nonmetallic minerals: Coal	33,252	33,252	171,249	171,249
Total imports		43,242		245,543
EXPORTS.				
Animals and animal products		2,519		390,520
Salmon, canned	2,098		365,000	
Salmon, pickled	421		25,520	
Wood and paper: Lumber	27,909	27,909	366,421	366,421
Total exports		30,428		756,941
Total imports and exports		73,670		1,002,484

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS, COASTWISE.							
						Miles.	
Animals and animal products: Salmon, canned		5,573	5,573	$1,115,000	$1,115,000	1,800	
Vegetable food products: Sugar		2,992	2,992	359,028	359,028		
Nonmetallic minerals: Salt		1,245	1,245	13,395	13,395		
Ores, metals, and manufactures of			1,181		47,333		
Tin cans		1,111		33,333			
Wire netting		70		14,000			
Machinery and vehicles: Fish-canning machinery		884	884	860,000	860,000	1,800	
Unclassified: Miscellaneous merchandise		3,198	3,198	342,654	342,654		
Total receipts, coastwise		15,073	15,073		2,737,410		
SHIPMENTS, COASTWISE.							
Animals and animal products: Salmon, canned		6,126	6,126	751,100	751,100		
Vegetable food products			834		114,737		
Flour		41		3,280			
Feed		93		3,781			
Fruit, canned		349		58,662			
Vegetables, canned		351		49,014			
Wood and paper			91,462		1,325,116		
Box shooks		13,061		243,661			
Lath		1,068		18,156			
Lumber	76,827			1,046,601			
Shingles		506		16,698			
Nonmetallic minerals			1,113		16,575		
Cement		1,073		16,095			
Coal		40		480			
Chemicals: Fertilizer		47	47	1,081	1,081		
Unclassified		6,638	6,638		1,028,890		
Total shipments	76,827	29,393	106,220		3,237,499		
Total receipts and shipments, coastwise	76,827	44,466	121,293		5,974,909		

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BELLINGHAM BAY AND HARBOR, WASH.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
RECEIPTS AND SHIPMENTS, INTERNAL.						*Miles.*	
Animals and animal products			5,078		$1,135,871		
Dairy products		876		$572,280		70	$0.055
Fish, canned		2,045		321,293			
Fish, fresh	1,819			100,000			
Meat		338		142,298		70	.085
Vegetable food products			1,764		140,762		
Apples		8		400		70	.053
Corn		38		1,260		70	.044
Fruit, fresh		211		34,604			
Flour		736		64,992		70	.044
Grain		642		33,384		70	.044
Hay and feed		129		6,122		60	.062
Wood and paper			247,605		1,541,676		
Box shooks		1,009		15,796			
Logs, floated	234,309			1,431,584			
Piles, floated	12,287			94,296			
Nonmetallic minerals			58,563		1,617,289		
Brick	1,433			9,375		100	.01
Cement		9,369		139,397			
Coal		8,131		61,034			
Distillate	1,115			66,828			
Fuel oil	9,747			123,819			
Gasoline	12,392			1,069,530			
Lime		203		9,118		60	.033
Oil, refined	1,969			101,760			
Petroleum products		348		19,001			
Sand	320			265		100	.01
Sand and gravel	13,296			13,712			
Tile		240		3,450		40	.0225
Machinery and vehicles: Machinery		276	276	103,480	103,480		
Chemicals: Powder		228	228	64,445	64,445		
Unclassified		6,118	6,118	802,284	802,284	80	.05
Total receipts and shipments, internal	288,687	30,945	319,632		5,405,807		

Car ferry: General commodities, short tons, 138,142; value $2,814,160.

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Animals and animal products			2,519	$390,520
Wood and paper	9,990	$74,294	27,909	366,421
Nonmetallic minerals	33,252	171,249		
Total	43,242	245,543	30,428	756,941

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BELLINGHAM BAY AND HARBOR, WASH.—continued.

SUMMARY—Continued.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	11,699	$1,866,100	5,078	$1,135,871	19,296	$3,392,491
Vegetable food products	3,826	473,765	1,764	140,762	5,590	614,527
Wood and paper	91,462	1,325,116	247,605	1,541,676	276,966	3,307,507
Nonmetallic minerals	2,358	29,970	58,563	1,617,289	94,173	1,818,508
Ores, metals and manufactures of	1,181	47,333			1,181	47,333
Machinery and vehicles	884	860,000	276	103,480	1,160	963,480
Chemicals	47	1,081	228	64,445	275	65,526
Unclassified	9,836	1,371,544	6.118	802,284	15,954	2,173,828
Total	121,293	5,974,909	319,632	5,405,807	514,895	12,383,209

Ferry: Short tons, 138,142; value, $2,814,160.

Vessel classification, 1921.

Class.	Number of vessels.		Total.		Total net registered tonnage.	Passengers.
	American.	Foreign.	Arrivals.	Departures.		
Steam	86	22	879	878	971,400	34,129
Sail	8		8	8	14,318	
Motor	42	1	846	845	63,845	5,471
Barges	16	12	90	90	12,288	
Total	152	35	1,823	1,821	1,061,851	39,60

COLUMBIA RIVER BETWEEN WENATCHEE AND KETTLE FALLS, WASH.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1895	5,850	$192,500	1,300	1910	26,114	$1,825,270	(1)
1896	5,590	(1)	1,300	1911	13,260	656,670	(1)
1897-1903 [2]				1912	22,411	1,103,785	(1)
1904	24,586	2,251,500	(1)	1913-1915 [2]			
1905	39,827	3,169,060	(1)	1916 [3]	4,697	202,000	(1)
1906	53,260	3,901,360	21,964	1917 [3]	3,610	240,000	(1)
1907	42,126	3,091,550	19,187	1918 [3]	4,415	300,000	(1)
1908	54,527	3,368,119	20,032	1919 [3]	4,282	250,000	(1)
1909	33,976	3,929,990	(1)	1920 [3]	3,742	188,000	(1)
				1921 [3]	11,755	563,150	(1)

[1] Not reported.
[2] No statistics available.
[3] This tonnage was practically all between Pateros and Clark, Wash. Complete statistics are not obtainable.

No floated timber or logs or ferry traffic are included in the above, and none has been reported. No Government materials used in improvement work are included.

Since railroads have been constructed below Bridgeport paralleling the river, navigation has greatly decreased. It is believed by local interests that a considerable boat traffic could be built up above Bridgeport to Clark if it were not for several obstructions which make low-water navigation impossible.

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COLUMBIA RIVER BETWEEN WENATCHEE AND KETTLE FALLS, WASH.—continued.

[Navigation season, 11 months.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL.					
Vegetable food products			11,500		$530,000
Fruit, fresh		7,000		$350,000	
Wheat		4,500		180,000	
Unclassified		255	255	33,150	33,150
Total internal		11,755	11,755		563,150

SUMMARY.

Classes of commodities.	Tons.	Value.
Vegetable food products	11,500	$530,000
Unclassified	255	33,150
Total	11,755	563,150

Vessel classification, 1921.

Class.	American.	Total net registered tonnage.
Steamer	1	342
Barges	3	(1)

[1] Not reported.

Arrivals, departures, and drafts of steamers and barges not reported.

BLAINE HARBOR, WASH.

Comparative statement of traffic.

Year.	Total.[1]		Floated timbers.	Passengers.
	Tons.	Value.		
			Tons.	
1920	67,044	$1,070,031	56,350	3,480
1921	109,670	1,244,244	92,908	6,223

[1] The above total includes floated timbers in 1921, valued at $452,594. Does not include Government materials used in works of improvement.

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BLAINE HARBOR, WASH.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Logs, floated	49,049	49,049	$251,553	$251,553
Nonmetallic minerals: Coal	886	886	9,000	9,000
Total imports		49,935		260,553
EXPORTS.				
Animals and animal products: Salmon, canned	750	750	92,200	92,200
Wood and paper: Box shooks	3,418	3,418	44,331	44,331
Total exports		4,168		136,531
Total imports and exports		54,103		397,084

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Unclassified: Canning supplies		1,310	1,310	$111,350	$111,350
SHIPMENTS, COASTWISE.					
Wood and paper			5,278		77,183
Box shooks		4,903		66,503	
Lumber	375			10,680	
Total shipments, coastwise	375	4,903	5,278		77,183
Total receipts and shipments, coastwise	375	6,213	6,588		188,533
RECEIPTS AND SHIPMENTS, INTERNAL.					
Animals and animal products			4,585		422,086
Fish, fresh	3,100			310,000	
Milk, fresh		953		47,650	
Salmon, canned		532		65,436	
Wood and paper: Logs, floated	43,944		43,944	201,041	201,041
Nonmetallic minerals: Coal		150	150	1,500	1,500
Unclassified		300	300	33,000	33,000
Total receipts and shipments, internal	47,044	1,935	48,979		658,627

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BLAINE HARBOR, WASH.—continued.

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Animals and animal products			750	$92,200
Wood and paper	49,049	$251,553	3,418	44,331
Nonmetallic minerals	886	9,000		
Unclassified				
Total	49,935	260,553	4,168	136,531

Classes of commodities.	Domestic.					
	Coastwise.		Other domestic.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			4,585	$423,086	5,335	$515,286
Wood and paper	5,278	$77,183	43,944	201,041	101,689	574,108
Nonmetallic minerals			150	1,500	1,036	10,500
Unclassified	1,310	111,350	300	33,000	1,610	144,350
Total	6,588	188,533	48,979	658,627	109,670	1,244,244

Vessel classification, 1921.

Class.	Number of vessels.		Total.		Total net registered tonnage.	Passengers.
	American.	Foreign.	Arrivals.	Departures.		
Steam	12	10	137	137	67,036	
Sail	2		2	2	5,976	
Motor	21		1,479	1,479	49,805	6,223
Barges			40	40	3,200	
Total	45	10	1,658	1,658	116,017	6,223

Percentage of cargos carried in various drafts: 30 feet and over, 9 per cent; 20 to 25 feet, 4 per cent; 10 to 15 feet, 16 per cent; under 10 feet, 71 per cent.

PORT ANGELES, WASH.

Comparative statement of traffic.

Year.	Total.[1]		Floated timbers.
	Tons.	Value.	
			Tons.
1920	148,438	$3,543,017	64,872
1921	176,433	4,541,559	70,091

[1] The above total includes floated timbers, 1921, valued at $405,136. Does not include Government materials used in works of improvement.

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PORT ANGELES, WASH.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Wood and paper: Logs, floated	1,647	1,647	$6,582	$6,582
Nonmetallic minerals		5,192		19,590
Cement	642		14,800	
Coal	100		1,000	
Lime	25		250	
Sand and gravel	4,425		3,540	
Chemicals: Sulphite	2,247	2,247	105,670	105,670
Total imports		9,086		131,842
EXPORTS.				
Textiles: Cement sacks	3	3	1,400	1,400
Wood and paper		29,216		426,554
Box shooks	5,001		78,016	
Lath	264		4,224	
Lumber	23,561		329,014	
Shingles	450		15,300	
Total exports		29,219		427,954
Total imports and exports		38,305		559,796

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Chemicals: Chloride of lime		23	23	$5,037	$5,037
SHIPMENTS, COASTWISE.					
Animals and animal products: Salmon canned		140	140	18,200	18,200
Wood and paper			61,137		2,511,318
Box shooks		2,389		34,640	
Lath		2,549		40,784	
Lumber	38,498			461,976	
Paper, newsprint		14,933		1,857,808	
Shingles		2,082		65,984	
Wood pulp		706		50,126	
Unclassified		70	70	10,710	10,710
Total shipments, coastwise	38,498	22,849	61,347		2,540,228
Total receipts and shipments, coastwise	38,498	22,872	61,370		2,545,265
RECEIPTS, INTERNAL.					
Wood and paper			68,692		416,162
Logs, floated	68,444			398,554	
Wood pulp		248		17,608	
Nonmetallic minerals			4,381		307,156
Cement		684		13,000	
Gasoline	3,021			257,152	
Illuminating oil		359		19,949	
Petroleum products		317		17,055	
Machinery and vehicles: Agricultural implements		212	212	89,949	89,949
Unclassified		1,982	1,982	299,282	299,282
Total receipts, internal	71,465	3,803	75,268		1,103,540

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PORT ANGELES, WASH.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS, INTERNAL.					
Animals and animal products			834		$290,326
Butter and eggs		217		$145,824	
Fish		416		58,248	
Meat, fresh		201		91,254	
Vegetable food products			620		36,800
Feed		320		12,800	
Flour		300		24,000	
Unclassified		36	36	5,832	5,832
Total shipments, internal		1,490	1,490		332,958
Total receipts and shipments, internal	71,465	5,293	76,758		1,436,498

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Textiles			3	$1,400
Wood and paper	1,647	$6,582	29,216	426,554
Nonmetallic minerals	5,192	19,500		
Chemicals	2,247	105,670		
Total	9,086	131,842	29,219	427,954

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	140	$18,200	834	$290,326	974	$308,526
Vegetable food products			620	36,800	620	36,800
Textiles					3	1,400
Wood and paper	61,137	2,511,318	68,692	416,162	160,692	3,360,616
Nonmetallic minerals			4,381	307,156	9,573	326,746
Machinery and vehicles			213	80,940	213	80,940
Chemicals	23	5,037			2,270	1,110,707
Unclassified	70	10,710	2,018	305,114	2,088	315,824
Total	61,370	2,545,265	76,758	1,436,498	176,433	4,541,559

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PORT ANGELES, WASH.—continued.

Vessel classification, 1921.

Class.	Number of vessels.		Arrivals.	Departures.	Total net registered tonnage.
	American.	Foreign.			
Steamers	63	6	559	559	519,487
Sail	19	.....	19	19	25,440
Motor	5	1	111	111	7,957
Barges	7	1	25	25	30,810
Total	94	8	714	714	583,694

Loaded draft of vessels.	Maximum.	Minimum.
	Feet.	*Feet.*
For foreign ports	30	5
For domestic ports	28	16
Internal	12	3

WATERWAY CONNECTING PORT TOWNSEND BAY AND OAK BAY, WASH.

Comparative statement of traffic.

Year.	Tons.[1]	Value.	Floated timbers.	Passengers.	Year.	Tons.[1]	Value.	Floated timbers.	Passengers
			Tons.					*Tons.*	
1915	65,273	$510,906	57,126	3,619	1919	60,924	1,677,371	37,284	(2)
1916	69,441	788,804	63,978	(2)	1920	33,574	963,475	28,686	6,851
1917	106,408	1,384,382	81,773	(2)	1921	80,747	2,215,382	43,746	5,837
1918	137,076	2,684,110	61,128	26,652					

[1] Tonnage includes floated timber; valued at $217,795 in 1921. Does not include Government materials used in works of improvement.
[2] Not reported.

[Navigation season, continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL RECEIPTS AND SHIPMENTS.					
Wood and paper	.....	.....	43,984	.....	$341,379
Roofing, felt	.....	57	.....	$117,249	.....
Poles and piles, floated	695	.....	.....	6,830	.....
Logs, floated	43,051	.....	.....	210,965	.....
Shingles	.....	181	.....	6,335	.....
Nonmetallic minerals: Coal	20	.....	20	240	240
Ores, metals, and manufactures of Steel	.....	130	130	6,500	6,500
Unclassified: Miscellaneous merchandise	.....	36,613	36,613	1,867,263	1,867,263
Total	43,766	36,981	80,747	.....	2,215,382

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WATERWAY CONNECTING PORT TOWNSEND BAY AND OAK BAY, WASH.—continued.

SUMMARY.

Classes of commodities.	Internal.	
	Tons.	Value.
Wood and paper	43,984	$341,379
Nonmetallic minerals	20	240
Ores, metals, and manufactures of	120	6,500
Unclassified	36,613	1,867,263
Total	80,747	2,215,382

Vessel classification, 1921.

Class.	American.	Trips.	Registered net tonnage.	Draft.	Passengers.
				Feet.	
Steamers	14	267	60,925	9-19	5,437
Motor tugs and launches	12	84	1,024	2- 5	390
Barges	6	67	72,230	5- 7	.....
Total	32	418	134,179	.....	5,827

EVERETT HARBOR, WASH.

Comparative statement of traffic.

Year.	Total.[1]		Floated timbers.	Passengers.	Year.	Total.[1]		Floated timbers.	Passengers.
	Tons.	Value.				Tons.	Value.		
			Tons.					*Tons.*	
1896	210,547	$15,384,831	.....	(2)	1909 [3]	926,183	$7,203,365	607,718	(2)
1897	74,960	2,974,526	.....	64,980	1910 [3]	912,005	8,237,135	740,440	(2)
1898	55,460	2,545,054	.....	67,206	1911 [3]	910,855	4,152,836	875,438	(2)
1899	42,713	1,477,120	.....	76,800	1912 [3]	1,096,731	5,775,225	1,036,577	(2)
1900	55,094	1,820,561	.....	(2)	1913	1,300,344	7,225,186	1,185,967	(2)
1901	71,881	2,712,260	.....	(2)	1914	834,651	4,405,380	762,253	(2)
1902	85,263	4,024,584	.....	(2)	1915	898,141	4,299,736	831,236	(2)
1903	79,394	2,510,417	.....	(2)	1916	980,859	4,867,271	895,895	(2)
1904	163,347	3,342,215	.....	(2)	1917 [2]	.....	.....	.....	.....
1905	230,089	4,592,124	.....	(2)	1918 [2]	.....	.....	.....	.....
1906	159,203	3,820,860	.....	(2)	1919	791,889	19,051,430	518,102	(2)
1907	143,710	4,725,700	.....	(2)	1920	807,468	16,213,420	581,526	(2)
1908	167,667	7,116,547	.....	(2)	1921	948,317	7,726,667	735,769	(2)

[1] These totals include floated timber where stated. In 1921, valued at $3,951,891. They do not include Government materials used in works of improvement.
[2] No report.
[3] 1909 to 1912 includes commerce of Snohomish River.

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EVERETT HARBOR, WASH.—continued.

[Navigation season, continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products: Fish, fresh	9	9	$225	$225
Wood and paper: Logs, floated	11,182	11,182	60,526	60,526
Nonmetallic minerals: Coal	1,000	1,000	11,000	11,000
Total imports		12,191		71,751
EXPORTS.				
Wood and paper: Lumber	19,050	19,050	291,881	291,881
Total imports and exports		31,241		363,632

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products: Salmon, canned		1,900	1,900	$228,000	$228,000
SHIPMENTS, COASTWISE.					
Animals and animal products			624		63,449
Milk, canned		34		4,460	
Salmon, canned		590		58,989	
Vegetable food products: Fruit and vegetables, canned		419	419	35,000	35,000
Wood and paper			160,325		1,833,285
Lumber and shingle products	136,052			1,525,090	
Piles and poles	20,000			200,000	
Shingles		4,273		108,195	
Nonmetallic minerals			1,092		15,180
Cement		442		6,630	
Coal	600			6,000	
Oil, refined		50		2,550	
Ores, metals, and manufactures of: Tin cans		1,200	1,200	48,000	48,000
Unclassified		100	100	9,000	9,000
Total shipments	156,652	7,108	163,760		2,003,914
Total receipts and shipments, coastwise	156,652	9,008	165,660		2,231,914
RECEIPTS AND SHIPMENTS, INTERNAL.					
Animals and animal products: Fish, fresh		35	35	3,000	3,000
Wood and paper			724,794		3,893,665
Piles and poles, floated	20,000			200,000	
Lumber	207			2,300	
Logs, floated	703,237			3,683,365	
Shingle bolts, floated	1,350			8,000	
Nonmetallic minerals			18,619		23,320
Distillate	71			3,923	
Gasoline	62			5,469	
Refined oil		22		1,003	
Sand and gravel	18,464			12,925	
Unclassified: Miscellaneous merchandise		7,968	7,968	1,211,136	1,211,136
Total receipts and shipments, internal	743,391	8,025	751,416		5,131,121

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EVERETT HARBOR, WASH.—continued.

Freight traffic, 1921—Continued.

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Animals and animal products	9	$225	.....	.....
Wood and paper	11,182	60,526	19,050	$291,881
Nonmetallic minerals	1,000	11,000	.....	.....
Total	12,191	71,751	19,050	291,881

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	2,524	$291,449	35	$3,000	2,568	$294,674
Vegetable food products	419	35,000	.....	.....	419	35,000
Wood and paper	160,325	1,833,285	724,794	3,893,665	915,351	6,079,357
Nonmetallic minerals	1,092	15,180	18,619	23,320	20,711	49,500
Ores, metals, and manufactures of	1,200	48,000	.....	.....	1,200	48,000
Unclassified	100	9,000	7,968	1,211,136	8,068	1,220,136
Total	165,660	2,231,914	751,416	5,131,121	948,317	7,726,667

Vessel classification, 1921.

Class.	Number of vessels.		Total.		Total net registered tonnage.
	American.	Foreign.	Arrivals.	Departures.	
Steam	100	11	961	969	811,146
Sail	3	.....	3	3	7,143
Motor	31	.....	520	520	46,702
Barges	.....	.....	52	52	38,260
Total	133	11	1,536	1,535	903,251

Maximum draft, 28 feet 6 inches.

PORT LUDLOW, WASH.

Comparative statement of traffic.

Year.	Tons.[1]	Value.	Floated timbers.	Car ferry.
			Tons.	*Tons.*
1920	92,945	$1,441,777	[2] 59,208	15,560
1921	95,116	1,106,641	[2] 62,794	10,655

[1] Tonnage includes floated timber but excludes car ferry. It does not include any Government materials used in works of improvement.
[2] Value, $680,869 in 1920; $475,065 in 1921.

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PORT LUDLOW, WASH.—continued.

[Navigation season: Continuous.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Wood and paper		10,911		$146,652
Lath	17		$245	
Lumber	10,857		144,770	
Shingles	37		1,637	
Total foreign		10,911		146,652

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
COASTWISE SHIPMENTS.					
Wood and paper			19,958		$255,790
Lath		1,011		$14,322	
Lumber	17,605			234,744	
Piling	1,300			4,878	
Shingles		42		1,846	
Total coastwise shipments	18,905	1,053	19,958		255,790
INTERNAL RECEIPTS.					
Wood and paper: Logs, floated	59,804		59,804	443,703	443,703
Machinery and vehicles: Machinery		23	23	3,927	3,927
Unclassified		770	770	141,271	141,271
Total receipts, internal	59,804	793	60,597		588,901
INTERNAL SHIPMENTS.					
Animals and animal products			114		28,158
Meats		9		1,998	
Milk and cream		105		26,160	
Wood and paper			3,480		62,517
Logs, floated	2,990			31,362	
Lumber	490			6,532	
Unclassified		56	56	24,623	24,623
Total internal shipments	3,480	170	3,650		115,298
Total receipts and shipments, internal	63,284	963	64,247		704,199

CAR FERRY.

Commodities.	Short tons.	Value.
Lumber and lath	10,655	$142,274

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PORT LUDLOW, WASH.—continued.

SUMMARY.

Classes of commodities.	Foreign, exports.		Domestic.				Total.	
			Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products					114	$28,158	114	$28,158
Wood and paper	10,911	$146,652	19,958	$255,790	63,284	506,220	94,153	908,662
Machinery and vehicles					23	3,927	23	3,927
Unclassified					826	165,894	826	165,894
Total	10,911	146,652	19,958	255,790	64,247	704,199	95,116	1,106,641

Car ferry, 10,655 short tons; value, $142,274.

Vessel classification, 1921.

Class.	Number of vessels.		Total.		Total net registered tonnage.
	American.	Foreign.	Arrivals.	Departures.	
Steam	19	2	535	535	111,208
Sail	1		42	42	1,176
Motor	4		4	4	6,982
Barges	3		5	5	2,800
Total	27	2	586	586	122,166

Number of vessels with loaded drafts over 30 feet 2
Number of vessels with loaded drafts 25 to 30 feet 3
Number of vessels with loaded drafts 20 to 25 feet 1
Number of vessels with loaded drafts 15 to 20 feet 8
Number of vessels with loaded drafts 10 to 15 feet 2
Number of vessels with loaded drafts under 10 feet 13
Percentage of traffic carried on drafts of 10 feet or under 70
Percentage of traffic carried on drafts of 11 to 20 feet 24
Percentage of traffic carried on drafts of over 20 feet 6

CHEHALIS RIVER (ABOVE MONTESANO), GRAYS HARBOR, WASH.

Comparative statement of traffic.

Year.	Tons.	Value.
1920[1]	50,000	$200,000
1921	225,000	1,125,000

[1] Estimated.

Traffic consists entirely of floated logs.

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WISHKAH RIVER, GRAYS HARBOR, WASH.

Comparative statement of traffic.

Year.	Tons.	Value.[1]	Floated timber.
			Tons.
1920[2]	100,000	$480,000	80,000
1921	261,432	1,239,236	129,098

[1] Includes floated timbers valued at $645,490 in 1921.
[2] Estimated.

[Navigation season: Continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS, COASTWISE.					
Wood and paper: Lumber	38,964		38,964	$428,640	$428,640
RECEIPTS AND SHIPMENTS, INTERNAL.					
Animals and animal products: Meat, fresh		29	29	13,574	13,574
Vegetable food products: Fruit and vegetables		51	51	4,534	4,534
Wood and paper			130,938		665,730
Logs, floated	129,098			645,490	
Lumber	1,840			20,240	
Nonmetallic minerals			91,273		89,360
Fuel oil	723			9,360	
Sand and gravel	90,550			80,000	
Unclassified		177	177	37,408	37,408
Total receipts and shipments, internal	222,211	257	222,468		810,596

SUMMARY.

Classes of commodities.	Domestic.				Total.	
	Coastwise.		Other domestic.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products			29	$13,574	29	$13,574
Vegetable food products			51	4,534	51	4,534
Wood and paper	38,964	$428,640	130,938	665,730	169,902	1,094,370
Nonmetallic minerals			91,273	89,360	91,273	89,360
Unclassified			177	37,408	177	37,408
Total	38,964	428,640	222,468	810,596	261,432	1,239,236

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WISHKAH RIVER, GRAYS HARBOR, WASH.—continued.

Vessel classification, 1921.

COASTWISE.

Class.	Number of vessels (American).	Total.		Total net registered tonnage.
		Arrivals.	Departures.	
Steam	11	21	21	19,858
Sail	1	1	1	1,284
Total	12	22	22	21,142

Maximum draft 21 feet.
Eight towboats and several launches operate on the river.
The maximum draft is 14.5 feet.

NASEL RIVER, WILLAPA HARBOR, WASH.

Comparative statement of traffic.

Year.	Ton.	Value.
1920 [1]	100,000	$400,000
1921	28,406	142,030

[1] Estimated.

Traffic consists entirely of floated logs.

PEND OREILLE RIVER, BETWEEN PRIEST RIVER, IDAHO, AND IONE, WASH.

[Distance, 55 miles.]

Comparative statement of traffic.

Year.	Tons.	Value.	Year.	Tons.	Value.
1899	2,617	$129,677	1906	32,943	$591,834
1900	1,921	97,125	1907	6,227	232,500
1901	13,917	134,280	1908	21,724	123,000
1902	15,868	500,200	1909	4,679	101,120
1903	27,100	753,000	1910–1919 [1]		
1904	39,974	358,453	1920	300,000	1,200,000
1905	54,933	462,814	1921	261,078	1,392,416

[1] No statistics available.

1899–1909 includes floated logs, but not separable.
1920 and 1921 tonnage was all floated logs and ties.

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HUMPTULIPS RIVER, GRAYS HARBOR, WASH.

Comparative statement of traffic.

Year.	Tons.	Value.
1920 [1]	20,000	$80,000
1921	216,628	1,299,768

[1] Estimated.

Traffic consists entirely of floated logs.

PEND OREILLE LAKE, IDAHO.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.
1920 [1]	80,800	$380,000	7,000
1921 [2]	75,960	455,760	([3])

[1] Estimated. [2] Traffic consists entirely of floated logs. [3] Not reported.

PRIEST RIVER, IDAHO.

Comparative statement of traffic.

Year.	Tons.	Value.
1920	300,000	$1,200,000
1921	158,826	847,072

This traffic consists of logs floated from points on Priest Lake and along the river, a total distance of about 50 miles, to the town of Priest River.

FLATHEAD LAKE, MONT.

Comparative statement of traffic.

[Navigation season: Continuous.]

Year.	Short tons.	Value.	Floated timbers.	Value.	Passengers.
INTERNAL.			*Tons.*		
1910	[1] 70,000	$1,320,000	60,000	$320,000	([2])
1911	[1] 72,466	856,590	60,000	180,000	11,921
1912	254,500	([3])	([3])	([3])	([3])
1913–1919 [4]					
1920	[1] 204,000	1,100,800	143,644	574,576	10,000
1921	122,270	760,545	119,400	566,245	7,338

[1] Includes floating timbers. [2] Not reported. [3] Unknown. [4] No statistics available.

This lake is about 30 miles long by 10 miles wide and is an enlargement of Flathead River. The principal boat navigation is between Somers on the north side and Polson on the south side; there is also some navigation at various other parts of the lake.

The above totals do not include Government materials used in works of improvement.

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FLATHEAD LAKE, MONT.—continued.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amount in short tons by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL RECEIPTS AND SHIPMENTS.					
getable food products			2,150		$75,500
Apples		70		$2,800	
Feed		60		3,000	
Flour		420		29,600	
Hay		60		1,200	
Potatoes		180		2,700	
Wheat		1,360		36,200	
Wood and paper: Logs, floated	119,400		119,400	566,245	566,245
Unclassified		720	720	118,800	118,800
Total	119,400	2,870	122,270		760,545

SUMMARY.

Classes of commodities.	Tons.	Value.
INTERNAL.		
Vegetable food products	2,150	$75,500
Wood and paper	119,400	566,245
Unclassified	720	118,800
Total	122,270	760,545

Vessel classification, 1921.

(American.)

Class.	Number of vessels.	Total arrivals.	Total departures.	Total net registered tonnage.	Passengers.
Steamers	4	973	973	Vessels not measured, tonnage unknown.	7,338
Barges	2	10	10		
Total	6	983	983		7,338

Maximum draft, 6 feet.

COEUR D'ALENE LAKE AND ST. JOE RIVER, IDAHO.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.
1920	6,000	$600,000	105,927
1921	4,661	514,197	71,451

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COEUR D'ALENE LAKE AND ST. JOE RIVER, IDAHO—continued.

[Navigation season: Continuous.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL.					
Animals and animal products			349		$105,280
Live stock		282		$69,220	
Meats, fresh		40		18,160	
Packing house products		27		18,900	
Vegetable food products			1,776		129,919
Flour		81		6,885	
Grain		583		23,328	
Hay		564		5,460	
Vegetables, and fruit, fresh		138		22,356	
Vegetables, and fruit, canned		185		44,770	
Sugar		225		27,120	
Nonmetallic minerals: Petroleum products		469	469	31,824	31,824
Ores, metals, and manufactures of: Ore		75	75	3,150	3,150
Unclassified		1,992	1,992	243,024	243,024
Total		4,661	4,661		514,197

SUMMARY.

Classes of commodities.	Tons.	Value.
INTERNAL.		
Animals and animal products	349	$105,280
Vegetable food products	1,776	129,919
Nonmetallic minerals	469	31,824
Ores, metals, and manufactures of	75	3,150
Unclassified	1,992	243,024
Total	4,661	514,197

Vessel classification, 1921.

Seven steamers with a combined net tonnage of 446 make three round trips daily out of Coeur d'Alene, Harrison, Amwaco, and St. Maries. Maximum draft 9 feet. Passengers carried, 71,451.

KOOTENAI RIVER, IDAHO AND MONTANA.

Comparative statement of traffic.

Year.	Tons.	Value.
1920	61,069	$344,276
1921	67,508	317,288

Traffic consists of logs floated from points about 30 miles above Bonners Ferry to the mills in the town.

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JUNEAU, ALASKA, DISTRICT.

APOON MOUTH OF YUKON RIVER, ALASKA.

[Navigation season: June 18 to Oct. 20.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
UPSTREAM.						*Miles.*	
Animals and animal products			726		$215,574		
Butter		104		$62,286		901	$0.045
Eggs		44		18,696		901	.09
Fish, canned		38		9,636		952	.053
Lard		63		18,351		953	.053
Meats, fresh		136		40,800			
Meats, canned		33		6,015		690	.051
Meats, cured		34		16,005		867	.045
Milk, canned		274		43,785		980	.053
Vegetable food products			1,911		176,248		
Flour		538		47,880		718	.048
Fruits, fresh		28		5,614		630	.069
Fruits and vegetables, canned		232		20,265		943	.053
Fruits, dried		66		10,672		927	.045
Hay		216		6,480		745	.051
Oats		401		16,201		949	.05
Vegetables, fresh		128		25,468		738	.051
Sugar		312		43,668		1,080	.045
Wood and paper			445		9,337		
Box shooks		8		577		181	.10
Lumber		437		8,760		1,100	.026
Nonmetallic minerals			688		23,592		
Cement		10		200		630	.055
Coal		17		255		1,040	.052
Oil and gasoline		661		23,137		662	.055
Ores, metals, and manufactures of			622		25,016		
Rails, railroad	620			24,800		1,099	.034
Tin cans		2		216		181	.10
Chemicals: Explosives		17	17	3,474	3,474	1,176	.095
Unclassified		1,256	1,256	314,835	314,835	901	.045
Total	620	5,045	5,665		768,076		
DOWNSTREAM.							
Animals and animal products			1,244		313,825		
Fish, canned		915		261,260		181	.077
Fish, dried and packed		329		52,565		181	.077
Wood and paper			230		1,764		
Paper		6		756		1,176	.012
Wood	224			1,008		376	.008
Nonmetallic minerals: Coal		48	48	477	477		
Ores, metals, and manufactures of: Ore, galena		2,759	2,759	413,794	413,794	1,638	.012
Unclassified			151		49,863		
Films		2		27,000		1,176	.062
Miscellaneous		149		22,863		616	.053
Total	224	4,208	4,432		779,728		

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APOON MOUTH OF YUKON RIVER, WASH.—continued.

SUMMARY.

Classes of commodities.	Domestic.	
	Tons.	Value.
Animals and animal products	1,970	$329,399
Vegetable food products	1,911	176,248
Wood and paper	675	11,101
Nonmetallic minerals	736	24,069
Ores, metals, and manufactures of	3,381	425,[illegible]
Chemicals	17	3,474
Unclassified	1,047	364,698
Total	10,097	1,547,799

Vessel classification, 1921.

Class.	Number of vessels, American.	Downstream.	Upstream.	Total net registered tonnage.	Passengers.
Registered:					
Steam	2	10	10	9,172	239
Barges	28	27	24	28,400	
Motor	10	28	28	762	144
Total	40	65	62	38,334	383

Maximum draft, 5 feet 6 inches.
Minimum draft, 1 foot 2 inches.

NOME HARBOR, ALASKA.

[Navigation season: June 16 to Nov. 10.]

Freight traffic, 1921.[1]

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products		90		$325,199
Furs and skins	61		$301,127	
Whalebone and ivory	10		13,015	
All other	19		11,057	
Total imports		90		325,199
EXPORTS.				
Animals and animal products		28		19,872
Cured meats	4		2,823	
Canned milk	10		2,955	
All other	14		14,094	
Vegetable food products		191		47,777
Coffee and tea	9		7,313	
Flour	73		8,308	
Pilot bread	6		1,931	
Sugar	58		15,316	
All other	45		14,909	
Other vegetable products: Tobacco	12	12	14,698	14,698
Textiles		14		15,267
Cotton goods	10		7,359	
Cordage	2		1,871	
All other	2		6,037	

[1] Does not include Government material used in works of improvement.

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NOME HARBOR, ALASKA—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Nonmetallic minerals: Illuminating oil, gasoline distillate, and lubricating oil	111	111	$12,057	$12,057
Ores, metals, and manufactures of		19		27,007
Hardware	15		16,605	
Rifles and shotguns	2		9,982	
All other	2		420	
Chemicals		8		13,768
Ammunition	7		12,848	
All other	1		920	
Unclassified: Miscellaneous	16	16	3,778	3,778
Total exports		399		154,224
Total imports and exports		489		479,423

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.[1]
	Bulk.	Package.		By commodities.	By classes.		
COASTWISE RECEIPTS FROM CONTINENTAL UNITED STATES.						*Miles.*	
Animals and animal products			251		$144,080		
Butter and eggs		107		69,523		2,743	$0.00722
Meat, fresh		66		34,499		2,743	.01928
All other		78		40,058			
Vegetables and food products			1,258		137,665		
Canned goods		45		12,022		2,743	.00537
Flour		198		21,972		2,743	.00619
Fruit and vegetables, fresh		304		39,504		2,743	.00618
Hay		339		16,339		2,743	.007
Oats		156		12,297		2,743	.00686
Sugar		158		28,566			.00612
All other		58		6,965			
Other vegetable products: Tobacco		16	16	13,360	13,360	2,743	.00674
Textiles			26		16,760		
Clothing		11		8,360		2,743	.00669
Cordage		15		8,400		2,743	.00583
Wood and paper			192		14,175		
Lumber	107			3,478		2,743	.00528
All other		85		10,697			
Nonmetallic minerals			4,054		153,424		
Coal		3,795		133,595			.00481
All other		259		19,829			
Ores, metals, and manufactures of: Hardware		133	133	27,845	27,845	2,743	.00783
Machinery and vehicles: Machinery		78	78	28,832	28,832		
Chemicals			167		40,569		
Paint		146		34,018		2,743	.00613
All other		21		6,551			
Unclassified: Miscellaneous		2,039	2,039	511,870	511,870	2,743	.0062
Total receipts	107	8,107	8,214		1,088,580		

[1] The rate per ton-mile given is from Seattle to ships' anchorage, Nome Harbor. The charge from ships' anchorage to Nome, approximately 2 miles, is $10 per ton, or $5 per ton-mile.

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NOME HARBOR, ALASKA—continued.

DOMESTIC—Continued.

Classes and commodi ies.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
COASTWISE SHIPMENT TO CONTINENTAL UNITED STATES.						*Miles.*	
Animals and animal products			79		$303,579		
Furs and skins		60		$296,720			
Reindeer meat		19		6,859			
Wood and paper			40		13,605		
Furniture		18		12,780			
All other		22		825			
Ores, metals, and manufactures of			352		1,320,878		
Containers		349		47,813			
Gold dust		3		1,273,065			
Unclassified: Miscellaneous		191	191	103,140	103,140		
Total shipments		662	662		1,741,202		
Total receipts and shipments, continental United States	107	8,769	8,876		2,829,782		
ALASKA COASTWISE RECEIPTS.							
Animals and animal products			89		45,545		
Dried fish		66		15,063			
Feathers		1		1,800			
Furs and skins		3		19,659			
Reindeer meat		14		4,398			
All other		5		4,625			
Nonmetallic minerals: Coal		90	90	3,150	3,150		
Total receipts		179	179		48,695		
ALASKA COASTWISE SHIPMENTS.							
Animals and animal products			12		8,500		
Cured meats		2		2,310			
Eggs		2		1,130			
Meat, fresh		6		3,600			
All other		2		1,460			
Vegetable food products			58		15,668		
Flour		8		1,380			
Fruit and vegetables, canned		4		975			
Fruit and vegetables, fresh		12		2,340			
Hay		13		1,500			
Oats		5		600			
Sugar		9		5,610			
All other		7		3,263			
Other vegetable products: Tobacco		1	1	1,875	1,875		
Textiles			8		4,750		
Wearing apparel		5		3,500			
Wool mattresses		3		1,250			
Wood and paper			188		38,680		
Lumber	145			29,170			
Paper		2		450			
Furniture		41		9,060			
Nonmetallic minerals			225		10,930		
Brick	10			400			
Coal		197		6,600			
Distillate, gasoline and illuminating oil		15		3,270			
All other		3		660			
Ores, metals, and manufactures of			23		632,937		
Hardware		4		1,460			
Stoves		18		2,000			
Gold dust		1½		629,477			
Machinery and vehicles: Machinery		11	11	5,400	5,400		
Chemicals			3		4,750		
Ammunition		2		1,500			
Drugs		1		3,250			

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NOME HARBOR, ALASKA—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
ALASKA COASTWISE SHIPMENTS—continued.						*Miles.*	
Unclassified			18		$288,845		
Photo supplies		1		$3,250			
All other		17		285,595			
Total shipments	155	392	547		1,012,335		
Total receipts and shipments	155	571	726		1,061,030		

SUMMARY.

Classes of commodities.	Foreign.				Domestic, coastwise.		Total.	
	Imports.		Exports.					
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	90	$325,199	28	$19,872	431	$501,704	549	$846,775
Vegetable food products			191	47,777	1,316	153,333	1,507	201,110
Other vegetable products			12	14,698	17	15,235	29	29,933
Textiles			14	15,267	34	21,510	48	36,777
Wood and paper					420	66,460	420	66,460
Nonmetallic minerals			111	12,057	4,369	167,504	4,480	179,561
Ores, metals, and manufactures			19	27,007	508	1,981,660	527	2,008,667
Machinery and vehicles					89	34,232	89	34,232
Chemicals			8	13,768	170	45,319	178	59,087
Unclassified			16	3,778	2,248	903,855	2,264	907,633
Total	90	325,199	399	154,224	9,602	3,890,812	10,091	4,370,265

Vessel classification, 1921.

Class.	Number of vessels.		Total.		Total net registered tonnage.	Draft loaded.	Passengers.
	American.	Foreign.	Arrivals.	Departures.			
Continental United States and foreign:							
Steam	4		17	17	64,288	Maximum, 26 feet; minimum, 15 feet.	1,232
Motor	12	3	25	27	3,881	Maximum, 12 feet 6 inches; minimum, 1 foot 8 inches.	55
Alaska, coastwise: Motor	23		110	115	2,891	Maximum, 12 feet; minimum, 2 feet 6 inches.	560
Total			152	159	71,060		1,847

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HONOLULU, HAWAII DISTRICT.

HONOLULU HARBOR.

Comparative statement of traffic.

Year.	Short tons.	Value.	Passengers.	Year.	Short tons.	Value.	Passengers.
1915	1,680,256	$90,775,709	100,537	1919	1,889,914	$255,095,031	134,329
1916	1,753,655	140,609,315	103,420	1920	2,039,046	282,675,003	149,862
1917	1,697,048	173,685,807	123,762	1921	1,709,336	191,758,609	177,559
1918	1,625,669	175,119,965	112,520				

	Short tons.	Value.
Trans-Pacific	1,439,511	$154,447,859
Interisland	269,825	37,310,750
Total	1,709,336	191,758,609

Passenger traffic.

	Trans-Pacific.	Interisland.	Total.
Arrivals	36,123	52,029	88,152
Departures	28,887	49,520	79,407
Total	65,010	101,549	177,559
Passengers in transit			35,706

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Trans-Pacific freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and products		2,692		$1,103,047
Live stock	10		$4,000	
Meats and products	2,573		1,029,200	
Leather and manufactures	4		3,800	
Hides and skins	1		162	
Poultry	41		41,000	
Eggs	22		13,200	
Fish	41		11,685	
Vegetable food products		15,841		3,139,368
Sugar	60		8,400	
Rice	7,790		856,900	
Hay and feed	91		3,913	
Pineapples	2		300	
Flour	101		8,080	
Fruits	155		13,175	
Groceries	7,422		2,226,600	
Spirits, wines, etc	220		22,000	
Other vegetable products: Tobacco and manufactures	349	349	872,500	872,500
Textiles		5,214		1,284,500
Clothing and apparel	11		16,500	
Cotton manufactures	318		222,600	
Fiber bags, etc	4,847		969,400	
Silk	38		76,000	

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HONOLULU HARBOR—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Nonmetallic minerals		38,283		$562,368
Building materials	20		$2,500	
Cement	496		11,408	
Coal	37,741		547,250	
Crude oil	15		165	
Lubricants	11		1,045	
Wood and paper		2,394		204,210
Lumber	1,002		45,090	
Shingles	25		275	
Paper, books, etc	126		40,950	
Furniture	1,241		177,895	
Metals and manufactures: Iron and manufactures	7	7	560	560
Machinery and vehicles: Automobiles	48	48	57,600	57,600
Chemicals		19,560		1,360,695
Drugs and chemicals	42		73,500	
Fertilizer	19,453		1,264,445	
Explosives	65		22,750	
Unclassified	29,465	29,465	5,893,000	5,893,000
Total imports		113,853		14,477,848
EXPORTS.				
Animals and products: Fish	3	3	855	855
Vegetable food products		1,370		246,322
Sugar	12		1,224	
Rice	4		440	
Hay and feed	181		7,783	
Pineapples	727		108,750	
Flour	17		1,360	
Fruits	9		765	
Groceries	420		126,000	
Textiles		18		17,400
Clothing and apparel	6		9,000	
Cotton manufactures	12		8,400	
Wood and paper: Furniture	48	48	4,560	4,560
Nonmetallic minerals		31,795		407,024
Building materials	4		700	
Coal	16,010		232,145	
Crude oil	15,774		173,514	
Lubricants	7		665	
Metals and manufactures: Iron and manufactures	2,453	2,453	1,926,240	1,926,240
Machinery and vehicles: Automobiles	38	38	45,600	45,600
Chemicals: Fertilizer	115	115	7,475	7,475
Unclassified	886	886	177,000	177,000
Total exports		36,726		2,832,476
Total imports and exports		150,579		17,310,324

DOMESTIC.

RECEIPTS.				
Animals and products		3,318		$2,065,598
Live stock	361		$144,400	
Meats and products	949		379,600	
Leather and manufactures	745		707,750	
Hides and skins	54		8,748	
Poultry	643		643,000	
Eggs	66		39,600	
Fish	500		142,500	
Vegetable food products		99,038		12,463,374
Sugar	2,409		337,260	
Rice	8,906		979,660	
Hay and feed	49,493		2,128,199	
Pineapples	367		18,350	
Flour	9,357		748,560	
Fruits	1,377		117,045	
Groceries	27,107		8,132,100	
Spirits, wines, etc	22		2,200	
Other vegetable products: Tobacco and manufactures	735	735	1,837,500	1,837,500

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HONOLULU HARBOR—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS—continued.				
Textiles		8,056		$8,704,000
Clothing and apparel	3,831		$5,746,500	
Cotton manufactures	4,225		2,957,500	
Wood and paper		81,533		4,535,048
Lumber	63,346		2,850,570	
Shingles	4,689		103,158	
Shooks	7,835		783,500	
Wood, fuel	63		630	
Paper, books, etc	1,153		374,725	
Furniture	4,447		422,465	
Nonmetallic minerals		412,916		10,756,111
Building materials	26,670		4,467,250	
Cement	26,126		600,898	
Coal	41,877		727,217	
Crude oil	272,613		2,998,743	
Gasoline	23,672		994,224	
Kerosene	10,038		401,520	
Distillate	9,281		315,554	
Lubricant	2,639		250,705	
Metals and manufactures: Iron and manufactures	60,248	60,248	4,819,840	4,819,840
Machinery and vehicles		4,293		3,546,500
Automobiles	2,000		2,400,000	
Machinery and parts	2,293		1,146,500	
Chemicals		26,093		5,298,115
Drugs and chemicals	1,119		1,958,250	
Fertilizer	18,951		1,231,815	
Explosives	6,023		2,108,050	
Unclassified	120,125	120,125	24,025,000	24,025,000
Total receipts		816,355		78,051,086
SHIPMENTS.				
Animals and products		611		193,338
Live stock	16		6,400	
Meats and products	59		23,600	
Leather and manufactures	92		87,400	
Hides and skins	411		66,582	
Fish	33		9,405	
Vegetable food products		418,793		50,507,428
Sugar	211,358		21,578,516	
Rice	112		12,320	
Hay and feed	1,954		84,022	
Pineapples	189,286		28,389,900	
Molasses	14,086		70,430	
Flour	132		10,560	
Fruits	948		80,580	
Groceries	937		281,100	
Other vegetable products: Tobacco	9	9	22,500	22,500
Textiles		133		131,900
Clothing and apparel	76		114,000	
Cotton and manufactures	13		9,100	
Fiber bags, etc	44		8,800	
Wood and paper		1,979		115,665
Lumber	1,502		67,590	
Paper, books, etc	12		3,900	
Furniture	465		44,175	
Nonmetallic minerals		11,210		245,248
Building materials	640		112,000	
Cement	389		8,947	
Coal	3,484		50,518	
Crude oil	6,693		73,623	
Kerosene	4		160	
Metals and manufactures: Iron and manufactures	849	849	67,920	67,920
Chemicals		7		5,250
Drugs and chemicals	2		3,500	
Explosives	5		1,750	
Unclassified	38,986	38,986	7,797,200	7,797,200
Total shipments		472,577		59,086,449
Total receipts and shipments		1,288,932		137,137,535

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HONOLULU HARBOR—continued.

Interisland freight traffic.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS.				
Animals and products		2,455		$1,051,416
Live stock	2,243		$897,200	
Hides and skins	68		11,016	
Poultry	142		142,000	
Eggs	2		1,200	
Vegetable food products		101,417		10,891,375
Sugar	94,946		9,684,492	
Rice	1,540		169,400	
Coffee	2,169		672,390	
Pineapples	2,306		345,900	
Fruits	12		1,020	
Groceries	9		2,700	
Hay and feed	421		18,103	
Molasses	14		70	
Wood and paper		1,492		69,850
Lumber	298		13,410	
Shooks	152		15,200	
Wood, fuel	922		9,220	
Paper	94		29,550	
Furniture	26		2,470	
Nonmetallic minerals		121		3,016
Building materials	7		1,225	
Coal	100		1,450	
Cement	13		299	
Gasoline	1		42	
Metals and manufactures: Iron and manufacturers	338	338	27,040	27,040
Machinery and vehicles: Automobiles	513	513	615,600	615,600
Unclassified	18,551	18,551	3,711,200	3,711,200
Total receipts		124,887		16,369,497
SHIPMENTS.				
Animals and products		37		16,177
Live stock	27		10,800	
Hides and skins	3		486	
Poultry	4		4,000	
Fish	3		891	
Vegetable food products		4,612		395,139
Rice	1,961		215,710	
Sugar	1,009		12,108	
Hay and feed	967		41,581	
Pineapples	454		68,100	
Flour	203		16,240	
Groceries	18		5,400	
Textiles		29		21,900
Clothing and apparel	12		18,000	
Cotton manufactures	1		700	
Fiber bags, etc	16		3,200	
Wood and paper		6,964		319,252
Lumber	6,840		307,800	
Shingles	6		132	
Shooks	22		2,200	
Furniture	96		9,120	
Nonmetallic minerals		8,927		497,045
Coal	5,119		71,919	
Kerosene oil	372		14,880	
Lubricant	9		855	
Gasoline	456		19,152	
Distillate	34		1,156	
Cement	821		18,883	
Building materials	2,116		370,200	
Metals and manufactures: Iron and manufactures	730	730	58,400	58,400
Machinery and vehicles: Automobiles	558	558	699,600	699,600
Chemicals		42,109		2,739,340
Fertilizer	42,106		2,736,890	
Explosives	2		700	
Drugs	1		1,750	
Unclassified	80,972	80,972	16,194,400	16,194,400
Total shipments		144,938		20,941,253
Total receipts and shipments		269,825		37,310,750

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HONOLULU HARBOR—continued.

IN-TRANSIT FREIGHT TRAFFIC.

Commodities.	Short tons.	Value.	Commodities.	Short tons.	Value.
INWARD.			OUTWARD.		
Building materials	1,920	$336,000	Building materials	5,232	$915,600
Lumber	7,283	327,735	Lumber	57,170	2,572,650
Cement	455	10,465	Shooks	1,928	192,800
Clothing and wearing apparel	858	1,287,000	Shingles	90	1,980
Cotton manufactures	22,948	1,608,600	Cement	353	8,119
Coal	13,354	195,633	Clothing and wearing apparel	1,759	2,638,500
Drugs and chemicals	291	509,250	Cotton manufactures	49,647	34,752,900
Explosives	390	136,500	Coal	9,890	143,405
Fertilizer	205	13,325	Drugs and chemicals	3,622	633,850
Fiber bags, gunnies, etc.	25,761	5,152,200	Explosives	525	183,750
Fish	1,779	504,815	Fertilizer	13,936	905,840
Flour	37	6,800	Gunnies, etc.	508	101,600
Fruits	357	30,345	Fish	4,317	1,230,345
Furniture	6,794	645,430	Flour	3,064	245,120
Groceries	15,763	4,728,900	Fruits	3,773	320,505
Wool	994	397,600	Furniture	403	38,285
Hides and skins	3,014	488,268	Groceries	19,527	5,858,100
Iron and manufactures	74,972	59,833,600	Hay and feed	21,009	903,387
Leather and manufactures	2,181	2,071,950	Hides and skins	601	97,362
Live stock	24	9,600	Iron and manufactures	119,258	9,540,640
Meat and products	921	368,400	Leather and manufactures	3,133	2,976,350
Poultry	87	87,000	Live stock	45	18,000
Eggs	1,855	1,113,000	Meat and products	193	77,200
Fuel oil	1,183	13,013	Poultry	2	2,000
Kerosene oil	7,884	315,360	Eggs	58	34,800
Lubricants	2,835	269,325	Fuel oil	2,638	29,018
Gasoline	11,000	462,000	Kerosene oil	179,344	7,173,760
Paper, books, etc	1,509	490,425	Lubricant	20,826	1,978,470
Rice	24,047	2,645,170	Gasoline	17,317	727,314
Sugar	28,346	2,891,292	Paper, books, etc	16,362	5,317,650
Spirits, wines, etc	239	23,900	Rice	18,006	1,980,660
Tobacco and manufactures	3,730	9,335,000	Sugar	12,421	1,266,924
Silk	1,710	3,420,000	Spirits, wines, etc	37	3,700
Copra	25,878	2,587,800	Tobacco and manufactures	7,606	19,015,000
Peanut oil	75	22,500	Wood, fuel	331	3,310
Automobiles	5	6,000	Automobiles	34	40,800
Miscellaneous merchandise	161,685	32,337,000	Miscellaneous merchandise	190,516	38,103,200
Total inward	454,199	134,681,201	Total outward	786,481	140,532,894
			Total inward and outward	1,240,680	275,214,095

SUMMARY.

Classes of commodities.	Trans-Pacific.							
	Domestic.				Foreign.			
	Receipts.		Shipments.		Imports.		Exports.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	3,318	$2,065,598	611	$193,338	2,692	$1,103,047	3	$855
Vegetable products	99,038	12,463,374	418,793	50,507,428	15,841	3,139,368	1,370	246,322
Other vegetable products	735	1,837,500	9	22,500	349	872,500		
Textiles	8,056	8,704,000	133	131,900	5,214	1,284,500	18	17,406
Wood and paper	81,533	4,535,048	1,979	115,665	38,283	562,368	48	4,560
Nonmetallic minerals	412,916	10,756,111	11,210	245,248	2,394	204,210	31,795	407,024
Ores, metals, and manufactures	60,248	4,819,840	849	67,920	7	560	2,453	1,926,240
Machinery and vehicles	4,293	3,546,500			48	57,600	38	45,600
Chemicals	26,093	5,298,115	7	5,250	19,560	1,360,695	115	7,475
Unclassified	120,125	24,025,000	38,986	7,797,200	29,465	5,893,000	886	177,000
Total	816,355	78,051,086	472,577	59,086,449	113,858	14,477,848	36,726	2,832,476

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HONOLULU HARBOR—continued.

SUMMARY—Continued.

Classes of commodities.	Interisland.				Total.	
	Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	2,455	$1,051,416	37	$16,177	9,116	$4,430,431
Vegetable food products	101,417	10,891,375	4,612	395,139	641,071	77,643,006
Other vegetable products					1,093	2,732,500
Textiles			29	21,900	13,450	10,159,700
Wood and paper	1,492	69,850	6,964	319,252	130,299	5,606,743
Nonmetallic minerals	121	3,016	8,927	497,045	467,363	12,112,654
Ores, metals, and manufactures	338	27,040	730	58,400	64,625	6,900,000
Machinery and vehicles	518	615,600	558	699,600	5,450	4,964,900
Chemicals			42,109	2,739,340	87,884	9,410,875
Unclassified	18,551	3,711,200	80,972	16,194,400	288,985	57,797,800
Total	124,887	16,369,497	144,938	20,941,253	1,709,336	191,758,609

Vessel classification, 1921—Number and tonnage of vessels entering and clearing during the year.

Class.	Domestic.	Foreign.	Total.	Net registered tonnage.
TRANS-PACIFIC.				
Inward from a domestic port:				
Steamers	409	67	476	1,856,049
Sail	37		37	21,920
Total	446	67	513	1,877,969
Outward for a domestic port:				
Steamers	339	51	390	1,771,917
Sail	27	1	28	20,746
Total	366	52	418	1,792,663
Inward from a foreign port:				
Steamers	104	75	179	725,778
Sail	7	1	8	9,832
Total	111	76	187	735,610
Outward for a foreign port:				
Steamers	92	98	191	1,255,742
Sail	2		2	673
Total	94	98	193	1,256,315
INTERISLAND.				
Inward			700	401,365
Outward			704	423,195
Total			1,404	824,560

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HONOLULU HARBOR—continued.

Draft and number of vessels entering and clearing during the year.

Trans-Pacific vessels:	
32 feet	16
31 feet	4
30 feet	30
29 feet	54
28 feet	62
27 feet	108
26 feet	96
25 feet	96
24 feet	94
23 feet	64

Trans-Pacific vessels—Continued.	
22 feet	80
21 feet	30
20 feet	26
Less than 20 feet	551
	1,311
Interisland vessels (all less than 20 feet)	1,404
Total	2,715

KAHULUI HARBOR.

Comparative statement of traffic.

Year.	Short tons.	Value.	Passengers.	Year.	Short tons.	Value.	Passengers.
1915	254,975	$18,311,484	9,844	1919	242,943	$32,116,437	12,734
1916	247,159	21,291,046	9,007	1920	228,286	37,257,112	17,880
1917	243,441	21,656,117	10,843	1921	177,620	20,613,558	20,201
1918	232,835	27,829,517	12,188				

	Short tons.	Value.
Trans-Pacific	149,499	$15,420,456
Interisland	28,121	5,193,102
Total	177,620	20,613,558

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Trans-Pacific freight traffic, 1921.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS.				
Animals and products		210		$117,644
Livestock	4		$1,600	
Meats and products	128		51,200	
Hides and skins	7		1,134	
Leather and manufactures	60		57,000	
Fish	6		1,710	
Poultry	5		5,000	
Vegetable food products		11,110		1,037,850
Sugar	1,113		155,820	
Rice	1,950		115,500	
Fruits	243		20,655	
Flour	894		71,520	
Hay and feed	6,485		278,855	
Groceries	1,315		394,500	
Spirits, wines, etc	10		1,000	
Other vegetable products: Tobacco and manufactures	46	46	115,000	115,000
Textiles		385		452,700
Clothing and wearing apparel	229		343,500	
Cotton manufactures	156		109,200	
Wood and paper		15,175		886,135
Lumber	11,432		514,440	
Shingles	830		18,260	
Shooks	2,230		223,000	
Paper, books, etc	285		92,625	
Furniture	398		37,810	
Nonmetallic minerals		16,182		763,158
Building materials	3,119		545,825	
Cement	2,625		60,375	
Coal	218		3,161	

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KAHULUI HARBOR—continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS—continued.				
Nonmetalic minerals—Continued.				
Crude oil	9,565		$105,215	
Lubricant	408		38,760	
Gasoline	178		7,476	
Distillate	69		2,346	
Metals and manufactures: Iron and manufactures	5,752	5,752	460,160	$460,160
Machinery and vehicles: Automobiles	207	207	248,400	248,400
Chemicals		214		307,250
Fertilizer	10		650	
Explosives	36		12,600	
Drugs and chemicals	168		294,000	
Unclassified	5,387	5,387	1,077,400	1,077,400
Total receipts		54,668		5,465,697
SHIPMENTS.				
Vegetable food products		94,018		9,792,159
Sugar	74,442		7,593,084	
Pineapples	14,491		2,173,650	
Molasses	5,085		25,425	
Unclassified	813	813	162,600	162,600
Total shipments		94,831		9,954,759
Total receipts and shipments		149,499		15,420,456

Interisland freight traffic.

Classes and commodities.	Amounts in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS.				
Animals and products: Live stock	10	10	$4,000	$4,000
Vegetable food products		1,759		288,930
Rice	1,189		230,790	
Sugar	570		58,140	
Wood and paper: Lumber	109	109	4,905	4,905
Nonmetallic minerals: Kerosene oil	10	10	400	400
Metals and manufactures: Iron and manufactures	82	82	6,560	6,560
Machinery and vehicles: Automobiles	137	137	164,400	164,400
Chemicals: Fertilizer	4,769	4,769	309,985	309,985
Unclassified	16,545	16,545	3,309,000	3,309,000
Total receipts		23,421		4,088,180
SHIPMENTS.				
Animals and products: Live stock	97	97	38,800	38,800
Vegetable food products		62		6,303
Rice	49		5,390	
Sugar	6		612	
Hay and feed	7		301	
Wood and paper: Lumber	168	168	7,560	7,560
Nonmetallic minerals: Cement	18	18	414	414
Metals and manufactures: Iron and manufactures	44	44	3,520	3,520
Machinery and vehicles: Automobiles	203	203	243,600	243,600
Chemicals: Fertilizer	125	125	8,125	8,125
Unclassified	3,985	3,985	796,600	796,600
Total shipments		4,700		1,104,922
Total receipts and shipments		28,121		5,193,102

NOTE.—No commodities were received or shipped in bulk.

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KAHULUI HARBOR—continued.

Passenger traffic.

	Trans-Pacific.	Inter-island.	Total.
Arrivals	334	9,007	9,341
Departures	479	10,381	10,860
Total	813	19,388	20,201

SUMMARY.

Classes of commodities.	Trans-Pacific.			
	Receipts.		Shipments.	
	Tons.	Value.	Tons.	Value.
Animals and animal products	210	$117,644		
Vegetable food products	11,110	1,037,850	94,018	$9,792,159
Other vegetable products	46	115,000		
Textiles	385	452,700		
Wood and paper	15,175	896,135		
Nonmetallic minerals	16,182	763,158		
Metals and manufactures	5,752	460,160		
Machinery and vehicles	207	248,400		
Chemicals	214	307,250		
Unclassified	5,387	1,077,400	813	162,600
Total	54,678	5,465,697	94,831	9,954,759

Classes of commodities.	Interisland.				Total.	
	Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	10	$4,000	97	$38,800	317	$160,444
Vegetable food products	1,759	288,930	62	6,303	106,949	11,125,242
Other vegetable products					46	115,000
Textiles					385	452,700
Wood and paper	109	4,905	168	7,560	15,452	898,600
Nonmetallic minerals	10	400	18	414	16,210	763,972
Metals and manufactures	82	6,560	44	3,520	5,878	470,240
Machinery and vehicles	137	164,400	203	243,600	547	383,400
Chemicals	4,769	309,985	125	8,125	5,108	625,360
Unclassified	16,545	3,309,000	3,983	796,600	26,728	5,345,600
Total	23,421	4,088,180	4,700	1,104,922	177,620	20,613,558

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KAHULUI HARBOR—continued.

Vessel classification, 1921, number and tonnage of vessels entering and clearing during the year.

Class.	Domestic.	Foreign.	Total.	Net registered tonnage.
TRANS-PACIFIC.				
Inward:				
Steam	71	1	72	312,738
Sail	1	.....	1	1,502
Total	72	1	73	314,240
Outward:				
Steam	71	1	72	312,738
Sail	1	.....	1	1,502
Total	72	1	73	314,240
Total in and out	144	2	146	628,480

	Total.	Net registered tonnage.
Interisland:		
Inward	168	121,849
Outward	170	123,641
Total inward and outward	338	245,490

Draft of vessels entering and clearing during the year.

Trans-Pacific vessels:	Number.
30 feet	6
29 feet	2
28 feet	2
27 feet	16
26 feet	10
25 feet	6
24 feet	20
23 feet	22
22 feet	14

Trans-Pacific vessels—Contd.	Number
21 feet	12
20 feet	4
Less than 20 feet	32
	146
Interisland vessels (all less than 20 feet)	338
Total	484

HILO HARBOR.

Comparative statement of traffic.

Year.	Short tons.	Value.	Passengers.	Year.	Short tons.	Value.	Passengers.
1915	428,417	$29,194,940	21,598	1919	388,983	$55,051,095	37,760
1916	314,670	31,527,248	27,625	1920	316,162	64,554,724	41,524
1917	367,955	41,611,824	38,559	1921	287,443	32,275,949	43,821
1918	348,143	41,933,752	31,854				

	Short tons.	Value.
Trans-Pacific	242,152	$25,991,058
Interisland	45,291	6,284,891
Total	287,443	32,275,949

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HILO HARBOR—continued.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Trans-Pacific freight traffic.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS.				
Animals and products		464		$233,385
Live stock	51		$20,400	
Meats and products	94		37,600	
Poultry	1		1,000	
Eggs	2		1,200	
Leather and manufactures	125		118,750	
Fish	191		54,435	
Vegetable food products		19,404		1,729,943
Rice	3,398		373,780	
Sugar	1,600		224,000	
Hay and feed	10,471		450,253	
Fruits	686		58,310	
Flour	1,595		127,600	
Spirits, wines, etc	1		100	
Groceries	1,653		495,900	
Other vegeteble products: Tobacco and manufactures	149	149	372,500	372,500
Textiles		266		176,300
Clothing and apparel	27		40,500	
Cotton manufactures	176		123,200	
Gunnies, etc	63		12,600	
Wood and paper		13,561		673,900
Lumber	12,405		568,225	
Shingles	200		4,400	
Shooks	49		4,900	
Furniture	800		76,000	
Paper, books, etc	87		28,275	
Wood, fuel	20		2,000	
Nonmetallic minerals		25,792		1,302,586
Building materials	4,335		758,625	
Cement	3,485		80,155	
Coal	74		1,073	
Crude oil	9,348		102,828	
Kerosene oil	574		22,960	
Lubricants	597		56,715	
Gasoline	3,658		153,636	
Distillate	3,721		126,514	
Metals and manufactures: Iron and manufactures	4,806	4,806	384,480	384,480
Machinery and vehicles: Automobiles	437	437	524,400	524,400
Chemicals		5,206		1,103,405
Drugs and chemicals	453		792,750	
Explosives	6		2,100	
Fertilizer	4,747		308,555	
Unclassified	25,940	25,940	5,188,000	5,188,000
Total receipts		96,205		11,688,719
SHIPMENTS.				
Vegetable food products		142,471		13,590,604
Sugar	132,696		13,534,992	
Coffee	11		3,410	
Hay and feed	89		3,827	
Molasses	9,675		48,375	
Wood and paper		70		2,427
Lumber	49		2,205	
Shingles	1		22	
Wood, fuel	20		200	
Nonmetallic minerals		398		51,258
Building materials	277		48,475	
Cement	121		2,783	
Machinery and vehicles: Automobiles	28	28	27,600	27,600
Chemicals		27		38,850
Explosives	6		2,100	
Drugs and chemicals	21		36,750	
Unclassified	2,958	2,958	591,600	591,600
Total shipments		145,947		14,302,339
Total receipts and shipments		242,152		25,991,058

NOTE.—No commodities were received or shipped in bulk.

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HILO HARBOR—continued.

Interisland freight traffic.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS.				
Animals and animal products: Live stock	1	1	$400	$400
Vegetable food products		400		41,365
Rice	288		31,680	
Sugar	91		9,282	
Hay and feed	21		903	
Wood and paper: Lumber	166	166	7,470	7,470
Nonmetallic minerals		360		46,790
Building materials	259		45,325	
Coal	101		1,465	
Metals and manufactures: Iron and manufactures	51	51	4,080	4,080
Machinery and vehicles: Automobiles	297	297	356,400	356,400
Chemicals: Fertilizer	21,508	21,508	1,398,020	1,398,020
Unclassified	14,374	14,374	2,874,800	2,874,800
Total receipts		37,157		4,730,095
SHIPMENTS.				
Animals and animal products: Live stock	10	10	4,000	4,000
Vegetable food products		1,087		111,131
Hay and feed	5		215	
Rice	69		7,590	
Sugar	1,013		103,326	
Wood and paper		1,586		97,690
Lumber	1,492		67,140	
Paper	94		30,550	
Nonmetallic minerals		15		375
Coal	1		15	
Cement	12		276	
Gasoline	2		84	
Metals and manufactures: Iron and manufactures	30	30	2,400	2,400
Machinery and vehicles: Automobiles	258	258	309,600	309,600
Unclassified	5,148	5,148	1,029,600	1,029,600
Total shipments		8,134		1,594,796
Total receipts and shipments		45,291		6,284,891

NOTE.—No commodities were received or shipped in bulk.

Passenger traffic.

	Trans-Pacific.	Interisland.	Total.
Arrivals	3,807	18,484	22,291
Departures	3,417	18,113	21,530
Total	7,224	36,597	43,821

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HILO HARBOR—continued.

SUMMARY.

Classes of commodities.	Trans-Pacific.			
	Receipts.		Shipments.	
	Tons.	Value.	Tons.	Value.
Animals and animal products	464	$233,385		
Vegetable food products	19,404	1,739,943	142,471	$13,590,604
Other vegetable products	149	372,500		
Textiles	266	176,300		
Wood and paper	13,561	673,800	70	2,427
Nonmetallic minerals	25,972	1,302,506	398	51,258
Metals and manufactures	4,806	384,480		
Machinery and vehicles	437	524,400	23	27,600
Chemicals	5,206	1,103,405	27	38,850
Unclassified	25,940	5,188,000	2,958	591,600
Total	96,205	11,688,719	145,947	14,302,339

Classes of commodities.	Interisland.				Total.	
	Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	1	$400	10	$4,000	475	$237,785
Vegetable food products	400	41,865	1,087	111,131	163,362	15,473,543
Other vegetable products					149	372,500
Textiles					266	176,300
Wood and paper	166	7,740	1,586	97,690	15,383	781,657
Nonmetallic minerals	360	46,790	15	375	26,745	1,400,929
Metals and manufactures	51	4,080	30	2,400	4,887	390,960
Machinery and vehicles	297	356,400	258	309,600	1,015	1,218,000
Chemicals	21,508	1,398,020			26,741	2,540,275
Unclassified	14,374	2,874,800	5,148	1,029,600	48,420	9,684,000
Total	37,157	4,730,095	8,134	1,554,796	287,443	32,275,949

Vessel classification, 1921, number and tonnage of vessels entering and clearing during the year.

Class.	Domestic.	Foreign.	Total.	Net registered tonnage.
TRANS-PACIFIC.				
Inward:				
Steam	96	10	106	398,057
Sail	5	1	6	1,422
Total	101	11	112	400,058
Outward:				
Steam	95	10	105	385,091
Sail	5	1	6	1,422
Total	100	11	111	386,513
Total in and out	201	22	223	786,571
INTERISLAND.				
Inward			134	106,202
Outward			135	105,444
Total inward and outward			269	211,646

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HILO HARBOR—continued.

Draft of vessels entering and clearing during the year.

Trans-Pacific:	Number.
33 feet	2
32 feet	2
31 feet	6
29 feet	4
28 feet	16
27 feet	18
26 feet	4
25 feet	20
24 feet	18
23 feet	16

Trans-Pacific—Continued.	Number.
22 feet	10
21 feet	10
20 feet	10
Less than 20 feet	88
	224
Interisland vessels (all less than 20 feet)	269
Total	493

NAWILIWILI HARBOR.

Comparative statement of traffic.

Year.	Short tons.	Value.	Passengers.	Year.	Short tons.	Value.	Passengers.
1918	8,568	$1,023,160	12,439	1920	12,040	$2,169,266	20,019
1919	9,536	1,600,738	18,987	1921	8,808	1,681,976	20,651

Draft of vessels entering and clearing during the year.

All interisland vessels (less than 20 feet) 384

[Navigation season, Jan. 1 to Dec. 31, 1921.]

Interisland freight traffic, 1921.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS.				
Animals and products: Live stock	4	4	$1,600	$1,600
Wood and paper: Lumber	160	160	7,200	7,200
Nonmetallic minerals: Coal	19	19	276	276
Metals and manufactures: Iron and manufactures	63	63	5,040	5,040
Machinery and vehicles: Automobiles	29	29	34,800	34,800
Chemicals: Fertilizer	636	636	41,340	41,340
Unclassified	5,709	5,709	1,141,800	1,141,800
Total receipts		6,620		1,232,056
SHIPMENTS.				
Animals and products: Live stock	2	2	$800	$800
Vegetable food products: Rice	70	70	7,920	7,920
Machinery and vehicles: Automobiles	18	18	21,600	21,600
Unclassified	2,098	2,098	419,600	419,600
Total shipments		2,188		$449,920
Total receipts and shipments		8,808		1,681,976

NOTE.—No commodities were received or shipped in bulk.

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NAWILIWILI HARBOR—continued.

Number and tonnage of vessels entering and clearing during the year.

	Number of steamers.	Net registered tonnage.
Inward	198	143,117
Outward	196	141,729
Total	384	284,846

Passenger traffic.

Arrivals	11,111
Departures	9,540
Total	20,651

SUMMARY—INTERISLAND.

Classes of commodities.	Receipts.		Shipments.		Totals.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	4	$1,600	2	$800	6	$2,400
Vegetable food products			70	7,920	70	7,920
Wood and paper	160	7,200			160	7,200
Nonmetallic minerals	19	276			19	276
Metals and manufactures	63	5,040			63	5,040
Machinery and vehicles	29	34,800	18	21,600	47	56,400
Chemicals	636	41,340			636	41,340
Unclassified	5,709	1,141,800	2,098	419,600	7,807	1,561,400
Total	6,620	1,232,056	2,188	449,920	8,808	1,681,976

PORTO RICO DISTRICT.

SAN JUAN HARBOR, P. R.

Comparative statement of traffic.

Year.	Short tons.	Value.	Passengers from and to ports outside of Porto Rico.
Fiscal Year:			
1913	432,000	34,019,000	(1)
1914	543,000	43,730,252	(1)
1915	541,422	45,782,661	18,683
1916	731,350	58,125,580	20,035
1917	756,350	73,211,200	21,796
1918	736,044	71,396,255	23,000
Calendar Year:			
1918	[2] 639,465	[2] 77,954,718	(1)
1919	[2] 493,261	[2] 100,021,414	26,652
1920	[2] 812,603	[2] 163,620,176	(1)
1921	[2] 674,845	[2] 80,660,571	20,659

[1] No data available.
[2] Estimated as 55 per cent of the total commerce of Porto Rico.

The statistics given below were furnished by the customs district of Porto Rico. Statistics as to foreign commerce for the calendar year ending December 31, 1921, and the statistics of domestic commerce were obtained from publications of the Department of Commerce for 1921. The reports from which the statistics were obtained cover the commodities received and shipped in vessels of all classes for the whole island, of

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SAN JUAN HARBOR, P. R.—continued.

which it is estimated about 55 per cent passes through San Juan Harbor. Practically all the commerce is package freight, the proportion of bulk freight being so small that it is negligible. There is considerable local shipping in this harbor with the terminal station of a ferry line and tramway located on the opposite shore, at Catano, estimated to carry 50,000 tons of freight annually, and 1,800,000 passengers. There is also considerable traffic with other ports of the island by local coasters, small schooners and sloops, of which no satisfactory record is kept.

[Navigation season, 12 months.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products		10,636		$1,999,960
Animals	343		$35,110	
Meat and products	1,088		335,953	
Dairy products	427		338,951	
Fish	8,565		1,178,094	
Animal and fish oils fat	68		6,361	
Hides and skins	3		860	
Leather	121		72,175	
Leather manufactures	11		20,582	
Miscellaneous animal products	60		10,874	
Vegetable food products		5,841		970,414
Grains and preparations	2,439		166,317	
Vegetables	1,727		225,605	
Fruits and nuts	327		119,675	
Vegetable oils	184		265,072	
Cocoa, coffee, tea	79		29,453	
Molasses, confectionery	1,067		135,750	
Beverages	18		28,542	
Other vegetable products: Rubber, seeds, bark	26	26	34,928	34,928
Textiles		4,848		789,271
Cotton goods	53		186,070	
Vegetable, fiber goods	4,793		589,083	
Woolen goods and hair	1		4,137	
Silk manufactures	1		9,981	
Wood and paper		8,199		298,254
Logs, timber, wood manufactures	7,776		149,183	
Books, paper of all classes	423		149,071	
Nonmetallic minerals		102,751		1,081,767
Cement	14,386		262,366	
Mineral oil	80,125		484,023	
Benzine	3,011		282,023	
Salt	5,104		13,891	
Glass and glassware	74		14,907	
Clay and clay products	50.7		19,937	
Other nonmetallic minerals	0.3		4,620	
Ores, metals, and manufactures		467.61		222,000
Iron and steel, other metal	467		194,447	
Jewelry and plated ware	0.01		9,185	
Clocks and watches	0.60		18,368	
Machinery and vehicles		703		287,884
Generating power	35		14,117	
Electrical and other	2		2,354	
Agricultural	654		261,378	
Vehicles	12		10,035	
Chemicals		3,815		780,245
Medicinal preparations	90		180,000	
Other chemicals	985		30,345	
Paint, soap, perfumery	40		380,900	
Fertilizers	2,700		189,000	
Unclassified		3,783		1,741,906
Scientific and musical instruments	2		9,400	
Photographic goods	5		84,300	
Toys and miscellaneous articles	25		147,972	
Articles returned and free	3,751		1,500,234	
Total		141,069.61		8,206,629

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SAN JUAN HARBOR, P. R.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS.				
Animals and animal products		288		$231,596
Animals	20		84,021	
Meat, poultry, eggs	52		18,611	
Dairy products	30		13,568	
Fish	64		12,576	
Animal and fish oils	2		538	
Hides and skins	31		7,563	
Leather, and manufactures	86		171,632	
Miscellaneous animal products	3		3,087	
Vegetable food products		21,635		5,483,626
Grain and grain preparations	2,695		238,364	
Fodder and feed	10		260	
Vegetables	205		39,580	
Fruit and nuts	66		23,923	
Vegetable oils and fats	451		25,383	
Coffee, cocoa, and spices	14,932		5,054,000	
Sugar, molasses, confectionery	3,275		101,844	
Beverages	1		272	
Other vegetable products		161		64,676
Rubber manufactures	30.5		36,708	
Gums, resin	.3		94	
Dyes	1.1		472	
Seeds	6.8		2,053	
Nursing stock	3.2		388	
Tobacco, and manufactures	91		21,902	
Miscellaneous	28.1		3,059	
Textiles		316		308,460
Cotton goods	247		248,291	
Vegetable fiber goods	67		39,207	
Wool and hair	.5		2,546	
Silk	.5		11,097	
Miscellaneous textiles	1		2,319	
Wood and paper		924		70,696
Logs and timber	260		3,914	
Planking and lumber	579		29,842	
Wood manufactures	20		14,405	
Paper	62		12,385	
Books	3		10,152	
Nonmetallic minerals		5,095		102,612
Coal and petroleum	3,741		49,405	
Sand, stone, and cement	1,106		31,823	
Glass and products	22		7,996	
Clay and products	52		10,630	
Abrasives	.1		129	
Other nonmetallic	173.9		2,638	
Ores and metals, and manufactures		854		169,177
Iron and steel	824.5		148,873	
Alloys, copper, brass, and others	29		17,987	
Silver plated ware, jewelry, clocks, and watches	.5		2,317	
Machinery and vehicles		301		160,031
Power generating machinery	40.5		23,197	
Electrical machinery and appliances	.5		4,977	
Construction, mining, and pumping	18		6,024	
Textile, shoe and other	164		82,008	
Agricultural machinery	31		15,565	
Vehicles, autos, and others	47		28,260	
Chemicals		289		60,956
Coal-tar products	3		571	
Chemicals, except coal tar	238		44,288	
Medicinal preparations	1		2,829	
Paint and varnish	5		1,375	
Fertilizers	4		272	
Explosives	.1		523	
Miscellaneous	37.9		11,098	
Unclassified		82		88,696
Scientific instruments	1.4		44,802	
Musical instruments	.3		559	
Office supplies, toys	.3		702	
Miscellaneous	18		17,725	
All other articles	62		24,908	
Total		29,945		6,735,538
Total imports for island of Porto Rico		141,059.61		8,206,629
Total exports for island of Porto Rico		29,945		6,735,538
Estimated total imports and exports for San Juan Harbor		94,057.29		8,218,186

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SAN JUAN HARBOR, P. R.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS, COASTWISE.				
Animals and animal products		44,036		$10,412,829
Animals	2,880		$172,787	
Meat products, poultry	28,898		5,325,050	
Dairy products	3,586		1,512,134	
Fish, dried and cured	7,063		1,096,695	
Hides and skins	2		3,291	
Leather and manufactures	1,314		2,243,240	
Animal and fish oils	293		58,632	
Vegetable food products		176,941		13,688,398
Grain and grain preparations	133,397		9,770,637	
Hay	256		8,028	
Vegetables	38,394		2,532,720	
Fruits and nuts	519		314,410	
Vegetable oils	594		122,141	
Cocoa, chocolate, tea	109		109,516	
Sugar, refined, and confectionery	3,672		830,946	
Other vegetable products		2,078		2,377,406
Rubber and manufactures	793		1,109,307	
Tobacco	1,158		1,209,247	
Miscellaneous	127		58,852	
Textiles		21,888		10,988,788
Cotton goods and cloth	20,431		9,164,406	
Cordage and twine	1,364		661,578	
Straw and palm goods	9		240,894	
Woolen goods	58		406,347	
Silken goods	26		515,563	
Wood and paper		6,985		3,882,484
Lumber and boards	63		1,046,714	
Manufactures of wood	642		1,058,954	
Manufactures of cork	14		28,397	
Newsprint, wrapping, and other paper and books	6,266		1,748,419	
Nonmetallic minerals		111,603		3,679,231
Coal	49,821		349,806	
Lubricating, illuminating, crude, gasoline, and fuel oil	36,086		2,233,303	
Cement	24,015		395,046	
Glassware and glass	769		336,495	
China and earthenware	912		364,581	
Ores, metals, and manufactures		17,466		4,188,277
Castings	50		19,802	
Hardware, nails, cutlery, tools	1,234		510,952	
Bars, rails, plates, structural	7,751		707,194	
Enamel ware, safes, scales, stoves	196		260,289	
Wire manufactures, tinware	529		99,618	
Pipe and fittings	2,221		285,802	
Other manufactures of iron	5,140		2,055,920	
Brass and copper, manufactures of	253		151,548	
Lead, manufactures of	78		31,213	
Precious metals and watches	1		49,813	
Plated ware	13		16,126	
Machinery and vehicles		9,571		5,075,617
Electrical machinery and apparatus	265		805,086	
Locomotives, engines, and parts	731		315,677	
Adding, printing, sewing, refrigeratory machinery	205		415,684	
Sugar-mill machinery	2,435		901,083	
Agricultural machinery	242		96,632	
Pumps and parts	614		184,257	
All other machinery	1,203		601,789	
Autos, trucks, and parts	2,077		1,122,665	
Passenger and freight cars	1,410		375,670	
Bicycles and motorcycles	15		32,518	
All other vehicles and parts	374		224,556	
Chemicals		32,472		3,815,183
Medicinal preparations	242		411,654	
Acids	43		21,662	
Fertilizers	22,742		1,158,853	
Explosives	96		31,589	
Perfumeries and soaps	6,398		1,168,299	
Paint and varnish	1,221		331,078	
Other chemicals	1,730		692,048	

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SAN JUAN HARBOR, P. R.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
RECEIPTS, COASTWISE—continued.				
Unclassified		3,666		$1,866,223
Scientific and musical instruments	34		$216,678	
Photographic goods	8		189,415	
Toys and candles	689		251,362	
Personal effects	58		57,925	
All other	2,877		1,150,843	
Total		426,706		59,974,436
SHIPMENTS, COASTWISE.				
Animals and animal products		244		40,061
Beeswax	10		3,566	
Hides and skins	234		36,495	
Vegetable food products		612,910		52,547,022
Coffee	105		35,780	
Grapefruits	26,451		2,292,619	
Oranges	8,627		549,141	
Pineapples	1,858		577,205	
Prepared and preserved fruits	201		106,655	
Coconuts	4,635		553,062	
Honey	736		74,151	
Sugar	469,297		47,536,987	
Molasses	101,000		821,422	
Other vegetable products		8,086		13,061,852
Seeds	14		4,102	
Leaf tobacco	5,872		6,922,220	
Tobacco stems and trimmings	1,439		611,049	
Cigarettes	2		6,628	
Cigars	759		5,507,853	
Textiles		2,646		3,936,576
Sea-island cotton	220		247,389	
Manufactures of cotton	2,423		3,638,364	
Straw and palm leaf hats	3		50,823	
Chemicals' Perfumeries	3	3	11,045	11,045
All other unclassified articles	5,381	5,381	2,152,434	2,152,434
Total		629,270		71,738,990
Total receipts and shipments (domestic) for the island of Porto Rico		1,055,976		131,713,426.00
Estimated total receipts and shipments for San Juan Harbor 55 per cent		580,787		72,442,384.00
Grand total of traffic for the island of Porto Rico		1,226,990.61		146,655,553.00
Estimated grand total of traffic for San Juan Harbor		674,844.84		80,660,570.65

SUMMARY.

Groups of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Animals and animal products	10,636	$1,999,960	288	$231,596
Vegetable food products	5,841	970,414	21,635	5,483,626
Other vegetable products	26	34,928	161	64,676
Textiles	4,848	789,271	316	303,460
Wood and paper	8,199	298,254	924	70,698
Nonmetallic minerals	102,751	1,081,767	5,095	102,612
Ores and metals	467.61	222,000	854	169,177
Machinery and vehicles	708	287,884	301	160,031
Chemicals	3,815	780,245	289	60,956
Unclassified	3,788	1,741,906	82	88,696
Total for island of Porto Rico	141,069.61	8,206,629	29,945	6,735,528
Estimated total for San Juan Harbor, P. R.	77,588.29	4,513,646	16,470	3,704,540

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SAN JUAN HARBOR, P. R.—continued.

SUMMARY—Continued.

Groups of commodities.	Domestic.				Total.	
	Receipts.		Shipments.			
	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	44,036	$10,412,829	244	$40,061	55,204	$12,684,446.00
Vegetable food products	176,941	13,688,398	613,910	52,547,022	817,327	72,689,460.00
Other vegetable products	2,078	2,377,406	8,086	13,051,852	10,351	15,528,862.00
Textiles	21,888	10,988,788	2,646	3,936,576	29,698	16,018,095.00
Wood and paper	6,985	3,882,484	.....	.....	16,108	4,251,436.00
Nonmetallic minerals	111,603	3,679,231	.....	.....	219,449	4,863,610.00
Ores and metals	17,466	4,188,277	.....	.....	18,787.61	4,579,454.00
Machinery and vehicles	9,571	5,075,617	.....	.....	16,575	5,523,532.00
Chemicals	32,472	3,815,183	3	11,045	36,579	4,667,429.00
Unclassified	3,666	1,866,223	5,381	2,152,434	12,912	5,849,259.00
Total for island of Porto Rico	426,706	59,974,436	629,270	71,738,990	1,226,990.61	146,655,583.00
Estimated total for San Juan Harbor, P. R.	234,688	32,985,940	346,099	39,456,445	674,844.84	80,660,570.65

Vessel classification, 1921.

This information was furnished by the harbor master and includes all vessels entering or leaving the harbor.

Vessels.	Number.	Registered tonnage.
Coastwise:		
Steamers	532	1,687,796
Sailing vessels	46	33,178
Total	578	1,720,974
Foreign:		
Steamers	86	295,488
Sailing vessels	48	6,406
Total	134	301,894
Grand total	712	2,022,868

MISSISSIPPI RIVER.

(Reported by Mississippi River Commission.)

MISSISSIPPI RIVER FROM ST. LOUIS, MO., TO CAIRO, ILL.

(See page 1272 for report.)

MISSISSIPPI RIVER FROM CAIRO, ILL., TO MEMPHIS, TENN.

(See page 1275 for report.)

MISSISSIPPI RIVER FROM MEMPHIS, TENN., TO VICKSBURG, MISS.

(See page 1278 for report.)

MISSISSIPPI RIVER FROM VICKSBURG, MISS., TO NEW ORLEANS, LA.

(See page 1282 for report.)

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MISSISSIPPI RIVER FROM ST. LOUIS, MO., TO NEW ORLEANS, LA.

Summary of traffic by four stretches.

(See page 1305 for statement.)

TRAFFIC BY STRETCHES BEGINNING AT HEAD OF NAVIGATION.

MISSISSIPPI AND LEECH RIVERS, MINN.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated logs.	
				Short tons.	Value.
1917	21,420	$84,660	1,000	15,580	$78,340
1918	42,686	173,400	1,000	30,600	132,165
1919	5,055	121,500	3,000	24,745	166,500
1920	1,050	7,000	.....	13,185	65,100
1921	10,728	96,552	.....	25,869	106,265

Freight traffic, 1921.

LOCAL RECEIPTS AND SHIPMENTS.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
						Miles.	
Wood and paper	.....	.....	36,597	.....	$202,817	.....	.....
Logs, rafted	25,869	.....	.....	$106,265	.....	24	No data
Pulp wood	10,728	.....	.....	96,552	.....	25	No data
Total receipts and shipments	36,597	.....	36,597	.....	202,817	.....	.....

SUMMARY.

Classes of commodities.	Local receipts and shipments.	
	Tons.	Value.
Wood and paper (logs and pulp wood)	36,597	$202,817

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MISSISSIPPI RIVER BETWEEN BRAINERD AND GRAND RAPIDS, MINN.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Floated logs.	
				Short tons.	Value.
1917	7,600	$26,000	400	232,400	$1,288,000
1918	13,569	86,477	75	1,431	5,690
1919	3,830	20,600	No record.	675	2,400
1920	60	12,000	75	4,950	24,200
1921	17,450	160,600	.....	24,146	104,004

Freight traffic, 1921.

LOCAL RECEIPTS AND SHIPMENTS.

Classes and commodities.	Amount in short tons by commodities (bulk).	Amount in short tons by classes.	Value.		Average haul.	Rate per ton-mile.
			By commodities.	By classes.		
					Miles.	
Wood and paper	.....	41,546	.....	$260,604	.....	.....
Logs, rafted	24,146	.....	$104,004	.....	28	No data.
Pulp wood	17,400	.....	156,600	.....	80	No data.
Unclassified	50	50	4,000	4,000	60	No data.
Total receipts and shipments	41,596	41,596	.....	264,604	.....	.....

SUMMARY.

Classes of commodities.	Local receipts and shipments.	
	Tons.	Value.
Wood and paper (logs and pulp wood)	41,546	$260,604
Unclassified	50	4,000
Total	41,596	264,604

MISSISSIPPI RIVER BETWEEN ST. PAUL AND MINNEAPOLIS, MINN.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1917	362	$87,600	1,626	1920	.....	.....	234
1918	45	15,000	279	1921	.....	.....	365
1919	.....	.....	665				

There was no commerce during 1921.

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[Reported by Rock Island, Ill., district.]

MISSISSIPPI RIVER BETWEEN MISSOURI RIVER AND MINNEAPOLIS, MINN.

Comparative statement of traffic.

Year.	Tons.	Value.	Passengers.	Year.	Tons.	Value.	Passengers.
1916	499,531	$13,043,623	2,327,755	1919	674,192	$13,435,619	2,744,301
1917	586,420	16,736,724	2,760,095	1920	630,951	13,324,349	3,542,196
1918	606,503	14,751,007	2,413,233	1921	761,522	10,810,575	3,076,360

Lumber.—The lumber business, formerly of great magnitude as connected with the movement of logs and lumber in the river, has almost entirely disappeared, owing to the destruction of the pine and hemlock forests in Wisconsin and Minnesota contiguous to the Mississippi River and its tributaries.

Steamboats and freight.—In 1921 the packet business was very small, there being no through boats operated from St. Louis to Minneapolis and St. Paul. One boat of the St. Louis & Tennessee River Packet Co. ran between St. Louis and Quincy, and several boats of the Eagle Packet Co., St. Louis & Tennessee River Packet Co., and Carnival City Packet Co., ran from St. Louis, Mo., to Hamburg, Ill., also to various points on the Illinois River; several wild boats ran between St. Louis and Hamburg during the fruit season. The excursion business was very large. 1,513,653 passengers were carried by the regular excursion and other wild boats. Of the fine large packets belonging to this river none remain as such, having been remodeled for the excursion business. The principal part of the freight was carried for moderate distances by small gasoline or steam launches and towboats, usually with barges. The entire commercial traffic for 1921 amounted to 761,522 tons, which is 130,571 tons greater than 1920. There is no hope of a prosperous river business on the upper Mississippi River until adequate terminals and transfer facilities, connecting with railroads, are provided and also suitable towboats and barges.

[Navigation season about eight months.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
UPBOUND.						*Miles.*
Animals and animal products			4,087		$648,922	
Cattle		825		$99,371		23.8
Eggs		12		9,334		21.7
Fish	878	5		145,520		7.4
Goats		2		440		65.0
Hogs		1,769		262,270		22.8
Horses		140		33,835		38.7
Meats, fresh		44		11,580		23.0
Milk, condensed		63		10,500		78.2
Mules		6		1,800		90.0
Poultry		23		9,200		23.0
Sheep		13		9,840		426.0
Shells	286			13,232		31.9
Shoes		21		42,000		20.9
Vegetable food products			4,494		410,354	
Apples		54		5,400		24.5
Apples, canned		2		500		138.0
Bananas		5		2,000		60.0
Beans, dry		35		3,268		73.1
Beans, canned		1		200		6.0
Beer, near		24		5,320		18.3
Bread		14		2,850		40.0
Cabbage		9		900		103.9
Cereals		2		80		75.0
Cider		1		30		55.0
Coffee		12		7,200		12.5
Corn	228	215		5,110		46.9

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MISSISSIPPI RIVER BETWEEN MISSOURI RIVER AND MINNEAPOLIS, MINN.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
UPBOUND—continued.						
Vegetable food products—Continued.						*Miles.*
Feed		233		$6,990		22.9
Fish bait	7			1,280		20.6
Flour		31		2,480		28.0
Fruits		223		27,875		39.3
Groceries		672		84,000		135.8
Hay	1	66		1,232		27.0
Kraut, canned		28		4,510		72.5
Melons		1		12		140.0
Molasses		6		480		75.0
Oats	18	140		4,543		285.4
Onions		19		1,785		100.2
Oranges		4		560		60.0
Peas, canned		31		1,750		72.8
Pickles		1		6		6.0
Potatoes		171		8,530		54.3
Pineapples		4		1,260		60.0
Peaches		45		10,875		75.0
Pears		24		5,800		75.0
Rice		2		320		75.0
Straw		88		462		10.0
Sugar		180		32,400		75.0
Tea		1		800		75.0
Tomatoes		61		3,238		73.9
Wheat	72	520		20,933		58.2
Other vegetable food products		1,243		155,375		29.6
Other vegetable products			228		$95,400	
Drugs		166		83,000		23.0
Seed		62		12,400		23.0
Textiles			113		118,575	
Dry goods		91		109,200		9.1
Fishing tackle	17			8,750		3.2
Other textiles		5		625		24.0
Wood and paper			6,655		169,018	
Barrels		10		1,152		27.2
Cooperage	63			3,150		75.6
Fascines	40			650		5.0
Furniture		194		47,750		112.6
Lath		5		140		127.0
Logs	1,142			8,981		18.9
Lumber	966	168		58,360		40.1
Paper	137			13,700		23.0
Roofing		301		19,530		103.7
Shingles		53		1,625		78.2
Wood, fire	3,306			12,180		15.8
Wood, bolt	270			1,800		5.6
Nonmetallic minerals			307,108		396,408	
Brick	85			700		20.9
Building blocks, cement	86			1,077		158.1
Cement		1,918		20,860		56.2
Coal	5,742			39,559		8.2
Gasoline		178		68,545		72.0
Gravel	103,517			85,750		13.1
Grease, lubricating		1		104		6.0
Kerosene		41		900		70.0
Lime		41		920		102.3
Oils, lubricating		206		12,096		18.3
Paint		148		37,000		23.0
Rock	3,590			7,400		14.0
Salt		12		120		23.0
Sand	151,027			62,027		3.3
Stone, crushed	40,350			53,800		3.1
Sulphur		25		500		35.0
Tile	140	1		5,050		44.0
Ores, metals, and manufacturers of			652		67,755	
Hardware, manufactured		491		61,375		23.0
Iron	152			6,080		23.0
Iron, junk	5			100		5.0
Sewer pipe	4			200		5.8
Machinery and vehicles			7,915		4,080,909	
Automobiles		394		306,500		63.8
Bucket, steel dredging		1		1,250		16.0
Castings, machine		103		9,270		5.4

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MISSISSIPPI RIVER BETWEEN MISSOURI RIVER AND MINNEAPOLIS, MINN.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
UPBOUND—continued.						
Machinery and vehicles—Continued.						*Miles.*
Corn shellers		1		$125		65.0
Drills		1		100		65.0
Engine, stationary		3		600		46.7
Harrows		1		50		130.0
Machinery, dredging		30		10,000		50.0
Plows, gang		2		300		65.0
Pump, dredging		1		1,200		16.0
Tractors		115		115,000		52.0
Transformers		2		10,000		135.0
Wagons		7		1,850		33.3
Other machinery		7,254		3,624,664		24.3
Chemicals: Nitrate of soda		25	25	1,500	$1,500	35.0
Unclassified			1,681		185,036	
Camp supplies		150		10,196		5.0
Household goods		1,141		171,000		97.0
Ice	377			3,140		69.1
Miscellaneous	13			700		11.1
Total	312,519	20,439	332,958		6,173,877	
DOWNBOUND.						
Animals and animal products			6,620		923,586	
Cattle		1,293		143,192		48.1
Eggs		348		107,634		84.0
Fish	1,018	79		167,629		11.5
Hogs		3,096		326,114		39.8
Horses		139		32,490		46.8
Mules		3		1,500		65.0
Poultry		226		108,000		48.3
Sheep		126		24,180		30.1
Shells	292			12,847		15.1
Vegetable food products			6,748		324,543	
Apples		605		57,805		59.9
Beans		1		25		12.0
Beer, near		1,900		47,500		4.3
Corn	295			5,092		13.5
Feed		62		1,860		23.0
Flour		43		3,610		19.2
Hay		76		1,317		17.4
Kraut		1		40		12.0
Melons		5		200		65.0
Fish bait	1			200		10.0
Oats		33		906		37.1
Onions		1		60		12.0
Peas		1		20		12.0
Pickles		1		200		12.0
Potatoes		97		4,860		59.1
Rye		15		402		23.0
Straw		88		462		10.0
Tomatoes		1		12		12.0
Wheat	210	2,449		92,097		41.8
Other vegetable food products		863		107,875		43.1
Other vegetable products			190		74,900	
Drugs		123		61,500		23.0
Seed		67		13,400		17.2
Textiles			35		21,500	
Dry goods		9		10,800		23.0
Fishing tackle		8		3,500		10.5
Wool		18		7,200		23.0
Wood and paper			25,103		183,458	
Barrels		12		1,630		23.0
Cooperage		6		300		54.0
Furniture		120		29,400		24.5
Logs	18,505			103,199		15.7
Lumber	214	235		13,060		29.1
Paper		1		100		42.6
Ties, railroad	20			154		20.1
Wood, fire	5,675			33,515		44.5
Wood, bolt	315			2,100		21.4

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MISSISSIPPI RIVER BETWEEN MISSOURI RIVER AND MINNEAPOLIS, MINN.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
DOWNBOUND—continued.						*Miles.*
Nonmetallic minerals			382,350		$363,104	
Building blocks, cement	22			$400		26.9
Cement		1,462		13,880		102.5
Coal	11,793			63,073		9.8
Gasoline		8		313		109.5
Gravel	230,525			197,205		18.2
Oils, lubricating		48		2,115		22.2
Paint		2		500		38.0
Salt		2		20		23.0
Sand	138,488			85,598		10.6
Ores, metals, and manufactures of			31		3,160	
Hardware, manufactured		24		3,000		22.1
Iron, scrap	7			160		57.4
Machinery and vehicles			4,669		2,340,463	
Automobiles		215		182,000		29.3
Castings, machine		152		12,863		8.1
Machinery		4,300		2,145,000		22.9
Wagons		2		600		23.0
Chemicals: Tar		10	10	240	240	19.1
Unclassified			2,808		401,744	
Ice	20			120		6.0
Miscellaneous	6	2,782		401,624		75.9
Total	407,406	21,158	428,564		4,636,698	
Total, upbound and downbound	719,925	41,597	761,522		10,810,575	

SUMMARY.

Classes of commodities.	Domestic.		Classes of commodities.	Domestic.	
	Tons.	Value.		Tons.	Value.
Animals and animal products	10,707	$1,572,508	Ores, metals, and manufactures of	683	$70,915
Vegetable food products	11,242	734,897	Machinery and vehicles	12,584	6,421,372
Other vegetable food products	418	170,300	Chemicals	35	1,740
Textiles	148	140,075	Unclassified	4,489	586,780
Wood and paper	31,758	352,476	Total	761,522	10,810,575
Nonmetallic minerals	689,458	759,512			

General ferry, short tons, 421,868; value $28,463,963.

As only a comparatively small amount of freight is handled by the regular packet boats plying between St. Louis, Mo., and Hamburg, Ill., also to points on the Illinois River, there are no established freight rates based on ton-miles. The bulk of the freight business is handled by small steam and gasoline boats, which are owned and operated by the various firms for the purpose of transporting freight used in connection with their business.

There were carried by the various boats, 3,076,390 passengers, which include 1,562,737 ferry and 1,513,653 excursion and packet passengers.

The item of "miscellaneous freight" is the package and other frieght carried by the regular packets and various steam and gasoline boats, for which no specific manifest could be obtained.

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MISSISSIPPI RIVER BETWEEN MISSOURI RIVER AND MINNEAPOLIS, MINN.—continued.

Classified ferry traffic, 1921.

MISSISSIPPI RIVER—MOUTH OF MISSOURI RIVER TO MINNEAPOLIS.

Commodities.	Amounts in short tons.	Value.	Commodities.	Amounts in short tons.	Value.
Apples	84	$8,548	Lumber	1,751	$53,495
Automobiles	20,165	16,950,500	Machinery	5	800
Barrels	17	575	Meats, fresh	10	2,900
Beer, near	57	6,216	Melons	61	980
Binders	18	3,500	Milk	3	642
Bread	1	240	Motor cycles	11	14,580
Brick	93	610	Mules	32	9,100
Cabbage	10	600	Nails, wire	1	80
Canned goods	1	200	Oats	42	1,230
Cattle	815	84,965	Oils, lubricating	639	42,122
Cement	385	6,288	Onions	8	750
Cement building blocks	4	65	Paper, roofing	24	2,760
Chickens	207	82,800	Peas	43	10,347
Cider	4	750	Pebbles, dash	15	825
Coal	3,564	22,572	Pickles	1	80
Corn, field	633	9,780	Pipe, tile	15	2,332
Corn, sweet	1,526	381,500	Planters, corn	1	200
Corn fodder	10	50	Plows	9	1,775
Crackers	2	420	Potatoes	71	3,540
Drills	2	300	Pottery	4	360
Eggs	102	25,164	Rock	7	14
Farm produce	20	1,000	Roofing	12	750
Feed	50	2,000	Salt	1	30
Fish	1,937	286,174	Sand	180,329	120,482
Fish bait	5	500	Sheep	25	5,000
Fish tackle	10	3,750	Shells, clam	239	8,470
Flour	65	6,434	Shingles	29	6,060
Furniture	65	15,250	Soda water	24	720
Gasoline	36	2,688	Sprayers, insect	2	2,200
Gates	1	600	Straw	415	4,150
Grapes	240	9,600	Strawberries	2	380
Gravel	147,412	118,784	Sugar	16	2,064
Groceries	13	2,800	Sirup	2	226
Hardware, manufactured	5	500	Tar	23	552
Harrows	14	1,470	Teams	38,905	9,160,900
Hay	2,296	39,042	Tile	190	5,409
Hay rakes	1	60	Tomatoes	9	616
Hogs	178	29,040	Tractors	221	89,000
Horses	65	12,100	Tubs, butter	75	1,500
Household goods	8	2,000	Turtles	5	1,080
Ice	1,111	9,024	Unclassified	4,800	676,260
Ice cream	14	3,188	Wheat	752	32,115
Junk	200	4,000	Wire, fencing	8	1,600
Kerosene	3	90	Wood, bolt	585	3,900
Lath	16	1,000	Wood, fire	2,631	8,639
Lime	30	510			
Live stock	50	5,360	Total	421,868	28,463,963
Logs	8,280	40,480			

NOTE.—This table includes all general ferry traffic and other traffic which does not move a substantial distance across or along the waterway.

LOCK AT KEOKUK, IOWA (FORMERLY DES MOINES RAPIDS CANAL).

The controlling depth of the Keokuk Lock at extreme low water is 7 feet on the lower miter sill. The lock, being only a link in the chain of through navigation, the traffic is essentially that of the river as given under the heading "Mississippi River from mouth of Missouri River to Minneapolis, Minn." During the calendar year 1921 there passed through the lock 439 steamboats, 122 barges, and 215 launches; passengers, 28,977; lockages, 609. All of which business was commercial or private.

LOCK AND DAM AT MOLINE, ILL.

The controlling depth at Moline Lock is 6 feet at extreme low water. The locks, being only a link in the chain of through navigation, the traffic is essentially that of the river as given under the heading "Mississippi River from mouth of Missouri River to Minneapolis, Minn." During the calendar year 1921 there passed through the lock 358 steamboats, 316 barges, and 304 launches; passengers, 10,823; lockages, 557. All of which business was commercial or private.

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[Reported by St. Louis, Mo., District.]

MISSISSIPPI RIVER, BETWEEN OHIO AND MISSOURI RIVERS.

Comparative statement of traffic.[1]

Year.	Tons.		Value.	Passengers.
	Rafted lumber and logs.	Total river freight.[2]		
1887	213,165	1,537,562	$43,901,035	(3)
1888	130,855	1,276,182	38,285,460	(3)
1889	127,695	1,413,594	44,131,414	(3)
1890	132,940	1,299,679	42,889,407	(3)
1891	142,090	1,125,423	39,389,805	(3)
1892	130,220	1,208,205	43,495,380	(3)
1893	126,510	1,057,599	40,188,762	(3)
1894	128,355	1,003,710	39,646,545	(3)
1895	98,685	838,900	34,394,900	(3)
1896	84,010	1,319,688	56,086,740	(3)
1897	69,565	1,115,850	49,097,400	(3)
1898	57,060	959,953	43,677,861	(3)
1899	71,960	700,531	32,924,957	(3)
1900	73,340	810,230	39,296,155	(3)
1901	50,550	703,054	35,152,700	(3)
1902	30,875	658,361	33,576,411	(3)
1903	4,700	596,384	31,315,410	(3)
1904	3,945	421,607	22,766,778	(3)
1905	1,210	440,154	24,208,470	(3)
1906	1,770	470,093	26,325,208	(3)
1907	.....	435,542	24,711,894	(3)
1908	.....	374,093	21,697,394	(3)
1909	.....	352,055	20,771,245	511,576
1910	.....	191,965	11,443,780	278,841
1911	.....	369,295	20,776,226	(3)
1912	.....	265,720	12,621,810	(3)
1913	.....	258,709	11,755,500	(3)
1914	.....	204,118	14,922,811	493,905
1915	.....	258,501	14,013,520	568,081
1916	628	240,653	13,209,000	505,410
1917	.....	293,248	15,401,544	275,514
1918	5,490	264,149	17,982,776	385,133
1919	7,468	288,286	22,684,001	442,603
1920	4,947	363,082	30,870,399	447,704
1921 [4]	2,768	481,151	47,481,764	832,963

[1] For the entire district; total freight and value for the years 1887 to 1913, inclusive, taken from Annual Report, Chief of Engineers, 1914, page 2430, and for subsequent years from current annual reports.
[2] Includes rafted lumber and logs.
[3] No statistics available.
[4] Exclusive of 548,561 tons of sand barged across river, valued at $249,520.

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
UPBOUND.						
Animals and animal products:						*Miles.*
Live stock	6,335	.....	6,734	$1,267,000	$1,435,300	66
Poultry	.....	99	.....	48,900	.....	73
Eggs	.....	297	.....	118,800	.....	93
Provisions [1]	.....	3	.....	600	.....	18
Vegetable food products:						
Corn	.....	189	10,393	3,591	1,068,584	17
Oats	.....	132	.....	4,488	.....	17
Flour	.....	438	.....	32,850	.....	17
Wheat	.....	578	.....	20,230	.....	73
Hay	.....	12	.....	240	.....	17
Fruits and vegetables, fresh	.....	352	.....	49,280	.....	56
Canned goods	.....	375	.....	43,125	.....	17
Sugar	.....	6,572	.....	790,280	.....	183
Groceries [2]	.....	1,445	.....	144,500	.....	22

[1] Government material. [2] 9 tons Government freight.

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MISSISSIPPI RIVER BETWEEN OHIO AND MISSOURI RIVERS.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.
	Bulk.	Package.		By commodities.	By classes.	
UPBOUND—continued.						
Textiles:						*Miles.*
Bagging		500	25,610	$150,000	$10,056,000	183
Wool		28		11,200		105
Cotton		1,380		414,000		183
Textiles		23,702		9,480,000		183
Wood and paper:						
Logs	19,000		23,038	760,000	888,670	183
Lumber	1,469			88,140		144
Manufactured lumber	19			15,200		17
Roofing	150			7,500		17
Piles [1]	2,400			17,830		80
Nonmetallic minerals:						
Cement		472	19,440	6,136	136,221	17
Coal [2]	15,022			75,110		184
Oil, refined		330		42,900		17
Brick, tile, etc		66		3,200		17
Stone [1]	3,550			8,875		60
Ores, metals, and manufactures:						
Wire nails		390	744	27,104	84,070	183
Barbed wire		106		7,366		183
Hardware		248		49,600		17
Machinery and vehicles	366		366	73,200	73,200	99
Unclassified [3]		76,025	76,025	15,205,000	15,205,000	159
Total	48,311	114,039	162,350		28,967,045	
DOWNBOUND.						
Animals and animal products:						
Livestock	3,790		4,559	379,000	567,100	32
Poultry		133		53,200		17
Meats		427		85,400		123
Eggs		156		39,000		17
Provisions [1]		53		10,500		80
Vegetable food products:						
Corn	45,270		169,498	860,130	5,447,131	177
Wheat	117,685			4,118,975		179
Flour		5,731		429,825		147
Oats		449		15,266		183
Apples		165		8,250		17
Sugar		51		5,865		183
Groceries [1]		147		8,820		80
Textiles: Cotton	546		546	163,800	163,800	183
Wood and paper:						
Logs [4]	12,968		15,666	518,720	545,420	75
Cooperage	3			1,200		17
Piles [1]	2,695			25,500		85
Nonmetallic minerals:						
Coal [5]	15,304		69,732	76,520	168,727	117
Cement		429		5,577		183
Oil, refined		148		19,240		99
Stone [6]	53,851			67,390		76
Ores, metals, and manufactures:						
Hardware [7]		1,206	1,206	72,360	72,360	96
Machinery and vehicles:						
Machinery	226		276	45,200	95,200	103
Automobiles	50			50,000		18
Chemicals: Fertilizer		51	51	1,581	1,581	183
Unclassified [8]		57,267	57,267	11,453,400	11,453,400	129
Total downbound	252,388	66,413	318,801		18,514,719	
Total up and down bound	300,699	180,452	481,151		47,481,764	

[1] Government material.
[2] 15,000 tons Government freight.
[3] 40 tons Government freight.
[4] Includes 2,768 tons floated logs.
[5] 12,300 tons Government freight.
[6] 43,627 tons Government freight.
[7] 23 tons Government freight.
[8] 96 tons Government freight.

The tonnage under heading "Unclassified" is reported to this office as such and can not be separated under the various designations.

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MISSISSIPPI RIVER BETWEEN OHIO AND MISSOURI RIVERS.—continued.

Passengers:

Upbound	438,619
Downbound	394,344
Total	832,963

CARGOES IN TRANSIT AND RAILROAD CAR FERRY TRAFFIC.

Commodities.	Amounts in short tons.	Value.	Commodities.	Amounts in short tons.	Value.
Animals and animal products	5,215	$1,043,000	Chemicals	4,015	$803,000
Vegetable food products	45,133	2,707,980	Unclassified	543,798	108,758,600
Textiles	83,000	33,200,000	Vehicles (one-horse)	723	144,600
Wood and paper	1,008	40,320	Vehicles (two-horse)	151,855	30,371,000
Nonmetallic minerals	2,369,099	11,835,495	Automobiles	11,496	11,496,000
Ores, metals, and manufactures	20,005	1,200,300	Sand barged	548,561	249,520
Machinery and vehicles	60,476	60,476,000	Total	3,844,379	262,325,815

Passengers, 207,470.

SUMMARY.

Classes of commodities.	Tons.	Value.
Animals and animal products	11,293	$2,002,400
Vegetable food products	179,891	6,535,715
Textiles	26,156	10,219,800
Wood and paper	38,704	1,434,090
Nonmetallic minerals	89,172	304,948
Ores, metals, and manufactures	1,950	156,430
Machinery and vehicles	642	168,400
Chemicals	51	1,581
Unclassified	133,292	26,658,400
Total	481,151	47,481,764

Passengers, 832,963.

	Short tons.	Value.
General ferry	180,081	$45,897,275
Car ferry	3,115,737	216,179,020
Sand barged	548,561	249,520
Total	3,844,379	262,325,815

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MISSISSIPPI RIVER BETWEEN OHIO AND MISSOURI RIVERS—continued.

Arrivals and departures of steamboats and barges at St. Louis, Mo., during calendar year 1921.

	Number.	Registered tonnage.	Times arrived.
Steamboats and towboats	2	2,500	2
Do	4	1,100-1,200	4
Do	17	510- 832	540
Do	9	255- 468	231
Do	15	143- 235	325
Do	14	9- 98	124
Total	61		1,226
Barges	1	3,000	1
Do	40	2,000	100
Do	1	1,800	1
Do	9	1,500	33
Do	2	1,100	2
Do	2	1,000	2
Do	3	800	3
Do	11	600	14
Do	11	500	25
Do	5	300	5
Do	4	250	4
Do	1	200	8
Do	1	186	85
Do	3	150	10
Do	1	140	1
Do	16	100	16
Do	1	92	1
Do	1	78	1
Total	113		312

[Reported by Mississippi River Commission.]

ST. LOUIS, MO., TO CAIRO, ILL., (FIRST STRETCH, 191 MILES).

Comparative statement of traffic.

Year.	Tons.	Value.[1]	Passengers.	Floated logs.	
				Tons.	Value.
1917	356,777		67,666	8,000	
1918	285,982		20,261	6,000	
1919	360,179		89,699	9,000	
1920	1,008,152	$25,983,422	[2] 719,097	10,000	$50,000
1921	1,104,150	52,225,512	[3] 494,924		

[1] Unknown prior to 1920. [2] 652,242, excursion. [3] 463,407, excursion.

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ST. LOUIS, MO., TO CAIRO, ILL.—continued.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INTERNAL, DOWNBOUND.						*Miles.*	*Cents.*
Animals and animal products			6,842		$2,688,450		
Animals		6,382		$2,521,600		173	2.819
Meat, poultry, and eggs		341		133,450		136	3.357
Dairy products		9		3,600		137	3.070
Fish		32		6,400		191	5.000
Miscellaneous animal products		78		23,400		191	.386
Vegetable food products			201,768		9,103,659		
Grains, and preparations of	450	13,287		207,215		169	4.019
Wheat		142,124		5,918,760		191	1.503
Corn		28,854		815,559		132	5.826
Fodders and feeds		175		8,750		147	4.545
Vegetables		248		19,015		125	4.063
Fruits and nuts		290		23,200		147	5.095
Sugar		6,678		667,800		147	5.045
Sirup and molasses		9,608		1,441,200		191	.386
Beverages		54		2,160		147	5.095
Other vegetable products			1,626		534,650		
Crude drugs and essential oils		309		41,800		154	6.305
Dyeing and tanning materials of vegetable origin		35		3,500		191	5.000
Seeds for sowing		67		3,350		117	7.610
Tobacco		1,215		486,000		198	.386
Textiles			33,273		6,802,250		
Cotton		31,266		6,253,200		170	4.129
Other vegetable fibers		467		85,050		191	2.693
Wool and hair		20		8,000		128	7.130
Miscellaneous textile products		1,520		456,000		191	.386
Wood and paper			10,971		261,489		
Logs, barged	2,590			15,429		161	2.129
Boards, planks, and other sawed lumber	2,695	195		29,720		133	2.875
Manufactures of wood		1,080		54,300		157	3.313
Paper base stocks		50		2,000		191	5.000
Paper, except printed matter		2,896		23,230		157	3.313
Books, maps, pictures, and other printed matter		1,363		136,300		191	2.693
Pulp wood		102		510		191	.386
Nonmetallic minerals			609,027		730,368		
Coal	12,300	3,000		79,500		146	2.000
Asphalt		31		1,550		171	3.202
Fuel oil		46		690		191	.386
Sand	539,610			241,093		2	.500
Stone	52,084	25		116,445		123	1.883
Cement		540		8,100		161	2.303
Glass and glass products		413		82,600		191	.386
Clay and clay products		372		18,590		161	2.303
Other nonmetallic minerals		606		181,800		191	.386
Ores, metals and manufactures of			5,548		554,380		
Iron and steel		5,417		541,280		147	2.952
Other metals and alloys		131		13,100		191	.386
Machinery and vehicles			6,996		2,148,500		
Electrical machinery and apparatus		24		24,000		191	.386
Other machinery, except agricultural		862		263,300		191	2.693
Agricultural machinery and implements		5,765		1,762,300		174	5.918
Vehicles		345		98,900		115	6.378
Chemicals			6,583		1,474,150		
Coal-tar products		225		22,500		191	.386
Chemicals, except coal tar		1,479		443,700		191	.386
Medicinal and pharmaceutical preparations		267		133,500		161	3.853
Pigments, paints, and varnishes		300		39,600		171	4.235

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ST. LOUIS, MO., TO CAIRO, ILL.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INTERNAL, DOWNBOUND—con.							
Chemicals—Continued.							
Fertilizers and fertilizer materials		719		$48,550		*Miles.* 191	*Cents.* 2.693
Explosives, ammunition, and fireworks		2,135		640,500		191	.386
Miscellaneous chemical products		1,458		145,800		191	.386
Unclassified: Miscellaneous		26,792	26,792	2,594,725	$2,594,725	149	3.571
Total downbound	609,729	299,697	909,426		26,892,621	163	2.902
INTERNAL, UPBOUND.							
Animals and animal products			10,522		4,074,150		
Animals		7,497		2,998,800		155	4.360
Meat, poultry, and eggs		718		287,050		109	3.573
Dairy products		5		2,000		191	5.000
Fish		3		600		155	4.360
Leather manufactures		546		259,800		191	3.035
Miscellaneous animal products		1,753		525,900		191	.386
Vegetable food products			33,227		5,263,290		
Grains, and preparations of		1,116		63,380		157	3.705
Fodders and feeds		338		16,900		139	5.365
Vegetables		1,419		214,790		122	3.164
Fruits and nuts		278		22,240		139	5.365
Sugar		17,996		1,799,600		156	3.705
Coffee, cocoa, and spices		9,162		2,748,600		191	.386
Molasses, sirups, and confectionery		2,550		382,500		191	.386
Beverages		368		15,280		156	3.705
Other vegetable products			1,767		193,850		
Naval stores, gums, and resins		317		31,700		191	2.693
Crude drugs and essential oils		188		37,600		159	5.660
Dyeing and tanning materials of vegetable origin		60		6,000		191	5.000
Seeds for sowing		65		3,350		159	5.660
Tobacco		5		2,000		191	5.000
Miscellaneous vegetable products		1,132		113,200		191	.386
Textiles			60,980		9,353,300		
Cotton		1,824		364,800		163	4.345
Other vegetable fibers		58,756		8,871,400		191	2.795
Wool and hair		85		22,600		149	4.009
Miscellaneous textile products		315		94,500		191	.386
Wood and paper			23,821		260,851		
Logs, barged	19,000			114,000		191	.330
Boards, planks, and other sawed lumber	2,400	1,066		71,130		139	3.685
Manufactures of wood		183		8,640		158	3.372
Pulp wood		223		1,015		191	.386
Paper, except printed matter		430		14,166		158	3.372
Books, maps, pictures, and other printed matter		519		51,900		191	.386
Nonmetallic minerals			19,213		172,230		
Coal	15,000			75,000		185	2.000
Stone	3,550			8,875		60	2.000
Glass and glass products		42		8,400		191	5.000
Cement		64		960		155	4.320
Asphalt		125		6,250		179	3.215
Clay and clay products		227		11,245		146	2.355
Other nonmetallic minerals		205		61,500		191	.386
Ores, metals and manufactures of			10,864		522,770		
Iron and steel		1,918		191,800		139	3.122
Aluminum and antimony		8,307		83,070		191	.386
Lead, mercury, and nickel		88		26,400		191	2.693
Tin and zinc		551		221,500		191	2.693

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ST. LOUIS, MO., TO CAIRO, ILL.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton mile.
	Bulk.	Package.		By commodities.	By classes.		
INTERNAL, UPBOUND—contd.						*Miles.*	*Cents.*
Machinery and vehicles			2,474		$778,300		
Other machinery, except agricultural		2,223		$700,700		175	5.752
Agricultural machinery and implements		111		37,900		167	8.435
Vehicles		140		39,700		191	2.693
Chemicals			7,388		2,266,900		
Chemicals, except coal tar		7,020		2,122,400		191	2.693
Medicinal and pharmaceutical preparations		234		117,000		162	6.105
Pigments, paints, and varnishes		81		18,000		162	3.798
Explosives, ammunition		21		6,300		191	.386
Miscellaneous chemical products		32		3,200		191	.386
Unclassified: Miscellaneous		24,468	24,468	2,447,250	2,447,250	151	3.524
Total upbound	39,950	154,774	194,724	25,332,891	25,332,891	169	3.118
Total downbound and upbound	649,679	454,471	1,104,150		52,225,512	166	3.010

NOTE.—The foregoing includes 3 tons fish, 53 tons meat, poultry, and eggs, 156 tons vegetables, 5,095 tons (bulk) sawed lumber, 27,300 tons (bulk) coal, 45,434 tons (bulk) stone, and 40 tons unclassified, miscellaneous, handled by Government vessels.

CAIRO, ILL., TO MEMPHIS, TENN. (SECOND STRETCH, 227 MILES.)

Comparative statement of traffic.

Year.	Tons.	Value.[1]	Passengers.	Floated logs.	
				Tons.	Value.[1]
1917	629,419		83,742	6,025	
1918	634,834		48,397	3,850	
1919	655,938		151,314	5,015	
1920	1,044,945	$30,206,574	69,757	3,487	$17,435
1921	902,823	51,339,831	[2] 124,485	30,226	142,768

[1] Unknown prior to 1920.

[2] 61,270 excursion.

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CAIRO, ILL., TO MEMPHIS, TENN.—continued.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INTERNAL, DOWNBOUND.						*Miles.*	*Cents.*
Animals and animal products			1,341		$425,300		
Animals		524		$107,300		96	3.795
Meat, poultry, and eggs		232		100,800		26	5.500
Dairy products		151		45,300		50	5.000
Animal and fish oils, fats, and greases		215		64,500		72	4.000
Hides and skins, except fur skins		3		1,200		75	5.000
Leather manufactures		138		82,800		85	5.000
Miscellaneous animal products		78		23,400		227	.386
Vegetable food products			270,532		12,021,475		
Grains, and preparations of		12,831		148,130		96	3.462
Wheat		142,124		5,918,760		227	1.503
Corn		88,125		2,311,905		227	1.503
Oats		573		17,190		227	.386
Fodders and feeds		650		36,000		87	4.000
Vegetables		7,004		1,318,800		103	1.127
Fruits and nuts		215		43,000		70	8.000
Oil seeds		4,609		209,300		77	4.846
Coffee		83		3,840		138	2.193
Sugar		798		153,900		144	2.193
Sirup and molasses		11,809		1,775,100		119	3.693
Beverages		1,711		85,550		272	.386
Other vegetable products: Tobacco		1,215	1,215	486,000	486,000	227	.386
Textiles			38,850		9,540,450		
Cotton		36,923		9,023,400		76	7.596
Other vegetable fibers		407		61,050		227	.386
Miscellaneous textile products		1,520		456,000		227	.386
Wood and paper			59,184		406,779		
Logs, rafted	15,750			77,326		49	.383
Logs, barged	37,781			113,663		104	2.129
Boards, planks, and other sawed lumber		211		4,620		119	1.693
Manufactures of wood		1,110		54,000		119	4.686
Pulp wood		102		510		227	.386
Paper, except printed matter		2,895		23,160		227	.386
Books, maps, pictures, and other printed matter		1,335		133,500		227	.386
Nonmetallic minerals			321,902		1,350,111		
Coal	174,247	4,151		900,965		127	2.625
Asphalt		3		180		227	.386
Oil, fuel		46		690		227	.386
Gravel	113,660			94,890		3	2.500
Stone	27,284	55		55,045		174	1.808
Cement		1,067		15,471		135	1.233
Glass and glass products		413		82,600		227	.336
Clay and clay products		370		18,500		227	.383
Other nonmetallic minerals		606		181,800		227	.383
Ores, metals, and manufactures of			4,973		495,500		
Iron and steel		4,842		482,400		97	4.128
Other metals and alloys		131		13,100		227	.396
Machinery and vehicles			6,620		2,001,300		
Electrical machinery and apparatus		24		24,000		227	.396
Other machinery, except agricultural		825		247,500		119	3.693
Agricultural machinery and implements		5,457		1,637,100		119	3.693
Vehicles		314		92,700		119	3.693
Chemicals			6,368		1,382,650		
Coal-tar products		225		22,500		227	.386
Chemicals, except coal-tar		1,479		443,700		227	.386
Medicinal and pharmaceutical preparations		144		72,000		227	.386

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CAIRO, ILL., TO MEMPHIS, TENN.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INTERNAL, DOWNBOUND—con.							
Chemicals—continued.						*Miles.*	*Cents.*
Pigments, paints, and varnishes		236		$23,600		227	0.386
Fertilizers, and fertilizer materials		691		34,550		227	.386
Explosives		2,135		640,500		227	.386
Miscellaneous chemical products		1,458		145,800		227	.386
Unclassified: Miscellaneous		6,549	6,549	745,400	$745,400	110	3.129
Total downbound	368,722	348,812	717,534		28,854,965	159	3.126
INTERNAL, UPBOUND.							
Animals and animal products			4,473		1,427,917		
Animals		112		19,050		50	9.750
Meat, poultry, and eggs		19		3,767		109	2.000
Dairy products		195		39,000		85	6.000
Fish		26		5,200		92	5.000
Animal and fish oils, fats, and greases		322		95,600		85	4.000
Hides and skins, except fur skins		29		11,600		195	5.000
Leather manufactures		607		303,800		144	3.193
Miscellaneous animal products		3,163		948,900		227	.386
Vegetable food products			34,073		5,544,986		
Grains, and preparations of		1,566		82,880		108	5.128
Corn		472		11,328		15	8.000
Fodders and feeds		967		51,620		48	7.250
Vegetables		1,856		274,900		106	3.462
Fruits and nuts		127		49,175		65	6.000
Oil seeds		78		3,900		85	6.000
Coffee		10,247		3,070,500		134	3.098
Sugar		16,149		1,614,922		166	1.193
Sirup		2,550		382,500		227	.386
Beverages		56		2,800		227	.386
Flour		5		461		101	2.000
Other vegetable products			1,432		143,404		
Naval stores, gums, and resins		299		29,900		227	.386
Miscellaneous vegetable products		1,133		113,504		171	1.193
Textiles			63,637		10,937,803		
Cotton		4,556		1,975,600		171	3.126
Other vegetable fibers		58,708		8,856,200		227	1.693
Wool and hair		57		11,400		227	.386
Miscellaneous textile products		316		94,603		170	1.193
Wood and paper			57,440		326,301		
Logs, rafted	14,476	14,476		65,442		227	.400
Logs, barged	25,846			156,820		151	4.150
Boards, planks, and other sawed lumber	900	609		43,368		149	2.370
Manufactures of wood		134		5,700		227	.386
Paper, except printed matter		257		2,056		227	.386
Pulp wood		223		1,015		227	.386
Books, maps, pictures, and other printed matter		519		51,900		227	.386
Nonmetallic minerals			1,441		95,593		
Coal	585	113		4,143		54	3.500
Asphalt		20		1,000		227	.386
Oil, fuel		255		2,550		5	2.000
Clay and clay products		205		10,300		227	.386
Other nonmetallic minerals		262		78,600		227	.386
Ores, metals, and manufactures of			10,244		451,670		
Iron and steel		1,118		111,300		111	4.129
Aluminum		8,307		83,070		227	.386
Lead		67		20,100		227	.386
Tin and zinc		540		216,000		227	.386
Other metals and alloys		212		21,200		227	.386

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CAIRO, ILL., TO MEMPHIS, TENN.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INTENRAL, UPBOUND—contd.						*Miles.*	*Cents.*
Machinery and vehicles			1,920		$576,000		
Other machinery, except agricultural		1,803		$540,900		227	0.386
Vehicles		117		35,100		227	.386
Chemicals			9,005		2,691,462		
Chemicals, except coal-tar		8,933		2,679,900		227	.386
Pigments, paints, and varnishes		15		1,500		227	.386
Explosives		21		6,300		227	.386
Miscellaneous chemical products		36		3,762		169	1.193
Unclassified			1,624		288,730		
Scientific and professional instruments		50		3,750		40	20.000
Miscellaneous		1,574		284,980		125	2.462
Total upbound	41,807	143,482	185,289		22,484,866	163	2.664
Total down bound and upbound	410,529	492,294	902,823		51,339,831	161	2.980

NOTE.—The foregoing includes 19 tons meat, poultry, and eggs, 4 tons sugar, 5 tons flour, 1 ton miscellaneous vegetable products, 1 ton miscellaneous textile products, 1 ton sawed lumber, 585 tons coal, 255 tons fuel oil, 2,179 tons (bulk) gravel, 17,084 tons (bulk) stone, 528 tons cement, 4 tons miscellaneous chemical products, and 60 tons unclassified miscellaneous, handled by Government vessels.

MEMPHIS, TENN., TO VICKSBURG, MISS. (THIRD STRETCH, 375 MILES).

Comparative statement of traffic.

Year.	Tons.	Value.[1]	Passengers.	Floated logs.	
				Tons.	Value.[1]
1917	1,473,440		41,490	20,100	
1918	853,851		54,838	18,329	
1919	1,056,200		121,842	15,226	
1920	925,763	$56,147,976	[2] 477,155	12,000	$60,000
1921	1,629,747	70,655,090	[3] 102,930	131,001	592,207

[1] Unknown prior to 1920. [2] 357,272 excursion. [3] 39,893 excursion.

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MEMPHIS, TENN., TO VICKSBURG, MISS.—continued.

[Navigation season, Jan. 1 to Dec. 31, 1921.]

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INTERNAL, DOWNBOUND.						*Miles.*	*Cents.*
Animals and animal products			2,859		$959,734		
Animals		559		$122,500		133	4.257
Meat, poultry, and eggs		2,170		789,734		90	4.353
Dairy products		50		20,000		226	6.030
Fish		60		19,000		128	5.700
Hides and skins, except fur skins		10		4,500		226	6.000
Leather manufactures		10		4,000		226	6.000
Vegetable food products			272,323		11,993,338		
Grains, and preparations of		21,284		675,035		207	4.129
Wheat		142,124		5,918,760		375	1.503
Corn		88,125		2,311,905		375	1.503
Oats		573		17,190		375	.386
Flour		26		2,816		3	2.000
Fodders and feeds		45		1,500		123	6.000
Vegetables		6,566		1,285,500		167	4.096
Fruits and nuts		23		1,835		123	5.000
Oil seeds		1,203		94,420		267	3.462
Coffee		98		25,000		301	3.193
Sugar		88		9,377		189	1.193
Sirup		10,457		1,564,500		267	4.795
Beverages		1,711		85,500		375	.386
Other vegetable products			1,273		493,655		
Crude drugs and essential oils		5		1,000		226	6.000
Seeds for sowing		25		1,250		226	6.000
Tobacco		1,222		488,800		301	3.193
Miscellaneous vegetable products		21		2,605		115	4.000
Textiles			66,131		13,494,246		
Cotton		63,775		12,956,200		244	4.346
Other vegetable fibers		807		77,050		301	3.193
Miscellaneous textile products		1,549		460,996		189	1.193
Wood and paper			113,774		457,570		
Logs, barged	64,153			196,792		115	3.077
Boards, planks, and other sawed lumber		47,969		177,568		156	3.831
Manufactures of wood		1,545		82,200		301	3.193
Pulp wood		102		510		375	.386
Books, maps, pictures, and other printed matter		5		500		226	6.000
Nonmetallic minerals			151,478		858,324		
Coal	44,860	13,118		297,925		191	2.378
Asphalt		3		150		375	.386
Fuel oil		116		1,940		207	5.795
Sand	4,437	9,000		10,002		17	2.590
Gravel		22,500		22,500		6	2.000
Stone	54,645	25		163,889		318	1.601
Cement		544		8,160		301	3.193
Glass and glass products		413		82,600		375	.386
Clay and clay products		372		18,590		301	3.193
Other nonmetallic minerals		1,445		252,568		189	1.193
Ores, metals and manufactures of			6,492		641,683		
Iron and steel		6,018		601,200		168	3.847
Crude manufactured forms		327		19,383		3	2.000
Aluminum and antimony		10		5,000		226	4.000
Tin and zinc		4		2,000		226	6.000
Other metals and alloys		133		14,100		301	3.193
Machinery and vehicles			15,060		2,991,100		
Power generating machinery except electric		60		30,000		226	6.000
Electrical machinery and apparatus		24		24,000		375	.386
Construction and conveying machinery		8,140		846,500		125	.770
Other machinery, except agricultural		1,040		347,300		189	1.193

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MEMPHIS, TENN., TO VICKSBURG, MISS.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INTERNAL, DOWNBOUND—continued.							
Machinery and vehicles—Con.						*Miles.*	*Cents.*
Agricultural machinery and implements		5,487		$1,651,100		301	3.193
Vehicles		309		92,200		301	3.193
Chemicals			6,475		$1,395,227		
Coal-tar products		225		22,500		375	.386
Chemicals, except coal tar		1,479		443,700		375	.386
Medicinal and pharmaceutical preparations		144		72,000		375	.386
Pigments, paints, and varnishes		244		25,600		301	3.193
Fertilizers and fertilizer materials		711		35,550		301	3.193
Explosives, ammunition		2,139		641,700		301	3.193
Miscellaneous chemical products		1,533		154,177		188	1.193
Unclassified			10,251		1,078,849		
Scientific and professional instruments		45		4,000		123	8.000
Toys, athletic and sporting goods		1		200		226	6.000
Miscellaneous		10,205		1,074,649		143	3.692
Total downbound	168,095	478,021	646,116		34,363,726	232	3.234
INTERNAL, UPBOUND.							
Animals and animal products			8,268		2,426,120		
Animals		2,493		511,400		105	5.908
Meat, poultry, and eggs		1,511		538,300		96	6.108
Dairy products		105		44,400		163	3.770
Fish		56		11,200		113	3.770
Animal and fish oils, fats, and greases		17		2,720		125	8.000
Hides and skins, except fur skins		15		3,000		226	6.000
Leather manufactures		524		251,000		301	3.193
Miscellaneous animal products		3,547		1,064,100		375	.386
Vegetable food products			59,005		7,590,880		
Grains and preparations of		13,498		84,300		183	3.985
Oats		742		44,520		70	5.000
Flour		198		7,840		190	1.540
Fodders and feeds		140		4,600		113	3.847
Vegetables		1,588		248,800		148	3.985
Fruits and nuts		90		13,500		163	3.770
Oil seeds		7,949		466,850		82	5.000
Coffee		15,508		4,655,300		225	2.982
Sugar		16,533		1,655,000		225	3.309
Molasses		2,703		407,370		178	3.731
Beverages		56		2,800		375	.386
Other vegetable products			1,546	156,000			
Naval stores, gums, and resins		299		29,900		375	.386
Crude drugs and essential oils		15		3,000		226	6.000
Seeds for sowing		60		3,000		226	6.000
Tobacco		12		4,800		226	6.000
Miscellaneous vegetable products		1,160		115,300		238	1.463
Textiles			81,724		13,449,350		
Cotton		15,047		3,185,200		178	4.486
Other vegetable fibers		66,305		10,158,250		325	3.125
Wool and hair		57		11,400		375	.386
Miscellaneous textile products		315		94,500		375	.386
Wood and paper			243,829		1,079,663		
Logs, rafted	131,001			592,207		275	.500
Logs, barged	87,075			239,420		53	3.500
Boards, planks, and other sawed lumber	21,806	2,720		180,893		185	4.360
Manufactures of wood		159		10,700		193	4.193

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MEMPHIS, TENN., TO VICKSBURG, MISS.—continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk	Package.		By commodities.	By classes.		
INTERNAL, UPBOUND—contd.							
Wood and paper—Continued.						*Miles.*	*Cents.*
Pulp wood		223		$1,015		375	0.386
Paper, except printed matter		316		2,528		375	.386
Books, maps, pictures, and other printed matter		529		52,900		301	3.193
Nonmetallic minerals			536,619		$4,545,826		
Coal		41		290		93	4.667
Asphalt		20		1,000		375	.386
Fuel oil		141,289		4,035,282		202	3.000
Sand	4,000	1,248		1,924		24	.827
Gravel	374,400			336,960		8	1.500
Stone	11,459	25		40,607		42	2.270
Cement		3,650		40,158		174	3.770
Clay and clay products		206		10,435		301	3.193
Other nonmetallic minerals		281		79,170		238	.963
Ores, metals, and manufactures of			10,633		493,575		
Iron and steel		1,483		141,205		172	5.096
Aluminum and antimony		8,322		90,570		301	3.193
Lead, mercury, and nickel		67		20,100		227	.386
Tin and zinc		545		218,500		301	2.193
Other metals and alloys		216		23,200		301	2.193
Machinery and vehicles			11,325		1,744,880		
Power generating machinery except electric		70		35,000		226	6.000
Construction and conveying machinery		7,688		873,060		114	8.270
Other machinery, except agricultural		1,813		543,900		194	3.693
Agricultural machinery and implements		70		21,000		119	6.500
Vehicles		1,684		271,900		172	6.595
Chemicals			12,876		2,972,290		
Chemicals, except coal tar		8,913		2,679,900		375	.386
Pigments, paints, and varnishes		19		2,500		301	3.193
Fertilizers and fertilizer materials		24		1,200		226	6.000
Explosives, ammunition		41		16,200		306	2.642
Miscellaneous chemical products		3,879		272,490		250	7.693
Unclassified: Miscellaneous		17,806	17,806	1,832,800	1,832,800	131	3.846
Total upbound	629,741	353,890	983,631		36,291,364	216	3.463
Total downbound and upbound	797,836	831,911	1,629,747		70,655,090	224	3.348

NOTE.—The foregoing includes 75 tons animals, 261 tons meat, poultry and eggs, 30 tons dairy products, 6 tons fish, 46 tons grain and preparations of, 124 tons flour, 10 tons fodders and feeds, 151 tons vegetables, 60 tons fruits and nuts, 101 tons sugar, 18 tons sirup and molasses, 7 tons coffee, 28 tons miscellaneous vegetable products, 29 tons miscellaneous textile products, 67,264 tons (bulk) sawed lumber, 10,011 tons (bulk) coal, 50,271 tons fuel oil, 4,000 tons (bulk) sand, 66,104 tons (bulk) stone, 3,648 tons cement, 858 tons other nonmetallic minerals, 327 tons crude manufactured forms, 15,680 tons construction and conveying machinery, 391 tons other machinery, 13 tons explosives, and 1,378 tons unclassified miscellaneous, handled by Government vessels.

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VICKSBURG, MISS., TO NEW ORLEANS, LA. (FOURTH STRETCH, 374 MILES).

Comparative statement of traffic.

Year.	Tons.	Value.[1]	Passengers.	Floated logs.	
				Tons.	Value.[1]
1917	2,400,672		18,036	148,982	
1918	2,715,928		26,405	178,327	
1919	3,478,294		54,096	203,421	
1920	2,874,910	$148,398,764	[2] 267,349	139,834	$699,170
1921	7,323,335	222,101,379	[3] 222,338	43,965	143,992

[1] Unknown prior to 1920. [2] 189,164 excursion. [3] 178,214 excursion.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INTERNAL, DOWNBOUND.						*Miles.*	*Cents.*
Animals and animal products			9,295		$2,364,400		
Animals		3,641		$806,100		142	5.795
Meat, poultry, and eggs		3,432		1,158,500		229	7.750
Dairy products		151		45,700		188	8.000
Fish		2,025		285,000		153	5.000
Hides and skins, except fur skins		10		4,500		226	6.000
Leather manufactures		34		64,000		226	6.000
Miscellaneous animal products		2		600		50	.480
Vegetable food products			371,711		25,843,290		
Grains, and preparations of		25,129		890,335		176	3.773
Wheat		142,124		5,918,760		374	1.503
Corn		88,125		2,311,905		374	1.503
Oats		4,445		249,510		274	2.693
Flour		45		6,075		15	3.000
Fodders and feeds		2,332		169,620		153	4.300
Vegetables		17,029		2,580,687		141	4.231
Fruits and nuts		19,597		5,611,255		70	5.000
Oil seeds		4,968		394,210		227	3.875
Coffee and cocoa		2,636		586,720		250	3.693
Sugar		43,500		4,931,667		179	2.447
Sirup and molasses		19,977		1,915,071		108	3.898
Beverages		1,804		277,475		232	5.193
Other vegetable products			2,653		3,134,412		
Rubber		54		189,000		13	4.000
Naval stores, gums, and resins		72		7,632		20	4.000
Crude drugs and essential oils		5		1,000		226	6.000
Seeds for sowing		25		1,250		226	6.000
Tobacco		1,900		2,882,500		242	5.462
Miscellaneous vegetable products		597		53,030		121	4.580
Textiles			78,097		16,372,441		
Cotton		65,863		13,475,400		199	4.677
Other vegetable fibers		814		80,650		163	2.467
Miscellaneous textile products		11,420		2,816,391		197	2.693
Wood and paper			81,219		2,961,984		
Logs, rafted	33,237			111,724		108	2.300
Logs, barged	9,204			25,224		200	2.166
Boards, planks, and other sawed lumber	5,613	19,440		504,096		129	3.586
Manufactures of wood		3,574		326,200		233	3.795
Pulp wood		102		510		374	.386
Paper, except printed matter		7,952		948,280		20	4.000
Books, maps, pictures, and other printed matter		2,097		1,045,950		276	3.240

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VICKSBURG, MISS., TO NEW ORLEANS, LA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INTERNAL, DOWNBOUND—continued.						*Miles.*	*Cents.*
Nonmetallic minerals			3,253,060		$64,648,069		
Coal	173,749	10,974		$1,208,327		143	3.386
Asphalt		103		4,150		197	2.193
Fuel oil	2,777,463	30,072		62,485,090		136	2.321
Plaster		265		10,600		18	4.000
Sand	650	8,271		9,121		59	1.860
Gravel	197,296	7,603		160,541		52	1.670
Stone	34,524	350		305,340		193	1.529
Cement		6,773		113,047		179	3.632
Glass and glass products		568		116,800		262	4.128
Clay and clay products	339	2,486		40,707		217	2.795
Other nonmetallic minerals	638	956		199,346		274	1.433
Ores, metals, etc			19,396		1,784,380		
Iron and steel	1,381	17,880		1,766,880		178	4.651
Other metals and alloys		135		17,500		299	1.433
Machinery and vehicles			18,431		4,754,665		
Power-generating machinery, except electric		658		139,200		168	5.000
Electrical machinery and apparatus		968		620,400		197	1.693
Construction and conveying machinery	1,225	2,090		748,735		198	5.080
Other machinery, except agricultural		4,800		1,060,900		215	4.173
Agricultural machinery and implements		7,637		1,961,100		212	7.693
Vehicles		1,053		224,330		263	5.433
Chemicals			27,344		4,490,623		
Coal-tar products		225		22,500		374	.386
Chemicals, except coal tar		2,456		671,534		197	1.193
Medicinal and pharmaceutical preparations		175		80,060		197	1.193
Pigments, paints, and varnishes		2,724		541,360		300	3.193
Fertilizers and fertilizer materials	3,781	711		54,455		300	3.193
Explosives, ammunition		3,116		1,201,084		300	3.193
Miscellaneous chemical products		14,156		1,919,630		215	6.288
Unclassified			18,201		2,331,966		
Musical instruments		241		241,000		20	4.000
Miscellaneous office supplies		200		20,000		210	5.000
Miscellaneous		17,760		2,070,966		147	4.763
Total downbound	3,239,100	640,327	3,879,427		128,686,230	189	3.692
INTERNAL, UPBOUND.							
Animals and animal products			14,475		4,286,530		
Animals		1,451		338,262		118	6.252
Meat, poultry, and eggs		5,108		1,738,568		121	4.393
Dairy products		167		80,000		133	5.500
Fish		3,205		605,600		165	4.750
Animal and fish oils, fats, and greases		90		15,000		40	5.000
Hides and skins, except fur skins		147		69,000		226	4.000
Leather manufactures		740		371,000		270	5.462
Miscellaneous animal products		3,567		1,069,100		212	1.433
Vegetable food products			224,921		23,339,167		
Grains, and preparations of		115,400		6,088,870		202	3.475
Barley		35		2,450		20	4.000
Oats		91		3,640		20	4.000
Flour		24,034		3,244,590		20	2.000
Fodders and feeds		1,130		56,500		218	4.000
Vegetables		5,753		1,038,529		190	3.875
Fruits and nuts		2,048		428,270		144	5.500
Oil seeds		7,279		2,529,192		159	4.000
Coffee and spices		16,960		4,962,780		210	4.077
Sugar		30,129		3,530,380		261	3.795
Sirup and molasses		21,498		1,206,166		213	3.462
Beverages		564		247,900		292	2.193

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VICKSBURG, MISS., TO NEW ORLEANS, LA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INTERNAL, UPBOUND—contd.						*Miles.*	*Cents.*
Other vegetable products			16,387		$1,978,068		
Rubber		5		$5,000		220	0.480
Naval stores, gums, and resins		13,655		1,445,636		197	1.193
Crude drugs and essential oils		15		3,000		226	6.000
Seeds for sowing		110		7,500		218	4.500
Tobacco		1,453		386,080		218	6.000
Miscellaneous vegetable products		1,149		130,852		303	1.433
Textiles			81,370		14,935,164		
Cotton		12,594		4,090,044		230	1.433
Other vegetable fibers		66,340		10,172,250		256	2.467
Wool and hair		57		11,400		374	.386
Miscellaneous textile products		2,379		661,470		197	1.193
Wood and paper			71,282		3,951,741		
Logs, rafted	10,728			32,268		55	3.500
Logs, barged	2,400			5,400		70	4.000
Boards, planks, and other sawed lumber	5,965	3,056		292,312		203	3.304
Manufactures of wood		44,366		3,028,803		174	1.342
Pulp wood		223		1,015		374	.386
Paper, except printed matter		4,013		538,593		197	1.193
Books, maps, pictures, and other printed matter		531		53,350		323	2.289
Nonmetallic minerals			2,964,537		32,952,339		
Coal	20,509	4,569		162,147		121	3.294
Asphalt		1,180		59,400		197	1.193
Fuel oil	2,819,001	79,429		32,402,439		119	2.953
Plaster		33		1,320		20	4.000
Sand	650	500		1,117		30	4.500
Gravel	1,933			1,475		25	.470
Stone	28,233			115,397		79	.430
Cement		1,943		33,149		175	3.255
Clay and clay products	360	508		43,395		300	3.193
Other nonmetallic minerals		5,389		132,500		274	.433
Ores, metals, and manufactures of			15,874		1,032,624		
Iron and steel		4,975		296,890		178	4.077
Crude manufactured forms		27		2,700		20	4.000
Aluminum and antimony		8,322		90,570		300	3.193
Copper, brass, and bronze		736		220,144		20	4.000
Lead, mercury, and nickel		1,049		177,220		374	.386
Tin and zinc		545		218,500		300	3.193
Other metals and alloys		220		26,600		275	1.622
Machinery and vehicles			6,322		1,423,906		
Power generating machinery, except electric		465		88,500		218	8.000
Construction and conveying machinery	1,225	1,163		468,856		251	1.010
Other machinery, except agricultural		2,460		664,200		196	3.967
Agricultural machinery and implements		360		48,000		218	8.000
Vehicles		649		154,350		254	4.216
Chemicals			14,534		5,087,456		
Coal-tar products		60		7,300		125	3.500
Chemicals, except coal tar		11,165		4,556,380		196	1.683
Medicinal and pharmaceutical preparations		327		177,000		115	3.000
Pigments, paints, and varnishes		817		156,476		270	3.462
Fertilizers, and fertilizer materials		1,471		86,720		118	5.000
Explosives, ammunition		128		18,400		270	5.462
Miscellaneous chemical products		566		85,180		198	4.216

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VICKSBURG, MISS., TO NEW ORLEANS, LA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.		Average haul.	Rate per ton-mile.
	Bulk.	Package.		By commodities.	By classes.		
INTERNAL, UPBOUND—contd.						*Miles.*	*Cents.*
Unclassified			34,206		$4,428,154		
Miscellaneous office supplies		175		$17,500		210	5.000
Miscellaneous		34,031		4,410,654		178	5.838
Total upbound	2,891,004	[1]552,904	3,443,908		93,415,149	187	3.365
Total downbound and upbound	6,130,164	1,193,231	7,323,335		222,101,379	188	3.529

NOTE.—The foregoing includes 205 tons animals, 23 tons meat, poultry, and eggs, 6 tons fish, 22 tons miscellaneous animal products, 80 tons grain and preparations of, 5 tons rubber, 1 ton miscellaneous vegetable products, 5 tons cotton, 37 tons other vegetable fibers, 11,578 tons (bulk) and 10,461 tons (package) sawed lumber, 138 tons manufactures of wood, 4 tons paper, 41,018 tons (bulk) and 7,600 tons (package) coal, 12,442 tons fuel oil, 1,300 tons (bulk) and 8,271 tons (package) sand, 3,866 tons (bulk) and 7,603 tons (package) gravel, 56,466 tons (bulk) and 325 tons (package) stone, 3,882 tons cement, 12 tons other nonmetallic minerals, 18,573 tons iron and steel, 8 tons other metals, 2,450 tons (bulk) and 2,326 tons (package) construction and conveying machinery, 14 tons other machinery, 2 tons vehicles, 34 tons miscellaneous chemical products, and 74 tons unclassified miscellaneous handled by Government vessels.

Traffic at principal ports.

ST. LOUIS, MO.

(Traffic shown below is also included in statistics for stretches between St. Louis, Mo., and New Orleans, La.)

Year.	Tons.	Value.	Passengers.	Floated logs.	
				Tons.	Value.[1]
1917	973,125	(1)	506,782	2,000	
1918	725,907	(1)	335,311		
1919	824,185	(1)	783,309		
1920	904,741	$25,595,723	[2] 719,097		
1921	1,000,436	50,732,976	[3] 494,924		

[1] Unknown. [2] 652,242 excursion. [3] 463,407 excursion.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons by commodities.		Amounts in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL RECEIPTS.					
Animals and animal products			6,993		$2,733,750
Animals		6,382		$2,521,600	
Meat, poultry, and eggs		341		133,450	
Dairy products		160		48,900	
Fish		32		6,400	
Miscellaneous animal products		78		23,400	

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ST. LOUIS, MO.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL RECEIPTS—continued.					
Vegetable food products			190,139		$7,627,055
Grains, and preparations of		13,287		$198,215	
Wheat		142,124		5,918,760	
Corn		27,283		790,855	
Fodders and feeds		175		8,750	
Vegetables		248		18,015	
Fruits and nuts		290		23,200	
Sugar		6,678		667,100	
Beverages		54		2,160	
Other vegetable products			1,548		163,850
Crude drugs and essential oils		309		41,800	
Dyeing and tanning materials of vegetable origin		35		3,500	
Seeds for sowing		67		3,350	
Tobacco		5		2,000	
Miscellaneous vegetable products		1,132		113,200	
Textiles			33,253		6,794,250
Cotton		31,266		6,253,200	
Other vegetable fibers		467		85,050	
Miscellaneous textile products		1,520		456,000	
Wood and paper			8,422		246,296
Logs, barged		41		235	
Boards, planks, and other sawed lumber	2,695	195		29,720	
Manufactures of wood		1,080		54,300	
Paper base stocks		50		2,000	
Paper, except printed matter		2,896		23,230	
Books, maps, pictures, and other printed matter		1,363		136,300	
Pulp wood		102		510	
Nonmetallic minerals			517,743		663,198
Coal	12,300	3,000		79,500	
Asphalt		31		1,550	
Fuel oil		46		690	
Sand	475,610			228,293	
Stone	24,800	25		62,075	
Cement		540		8,100	
Glass and glass products		413		82,600	
Clay and clay products		372		18,590	
Other nonmetallic minerals		606		181,800	
Ores, metals and manufactures of			14,275		845,850
Iron and steel		5,417		541,280	
Aluminum and antimony		8,307		83,070	
Tin and zinc		551		221,500	
Machinery and vehicles			6,996		2,143,500
Electrical machinery and apparatus		24		24,000	
Other machinery, except agricultural		862		263,300	
Agricultural machinery and implements		5,765		1,762,300	
Vehicles		345		98,900	
Chemicals			7,388		2,266,900
Chemicals, except coal-tar		7,020		2,122,400	
Medicinal and pharmaceutical preparations		234		117,000	
Pigments, paints, and varnishes		81		18,000	
Explosives, ammunition		21		6,300	
Miscellaneous chemical products		32		3,200	
Unclassified: Miscellaneous		24,468	24,468	2,447,250	2,447,250
Total receipts	515,405	295,820	811,225		25,936,898
SHIPMENTS.					
Animals and animal products			10,839		4,119,132
Animals		7,796		3,058,600	
Meat, poultry, and eggs		718		287,050	
Dairy products		200		41,000	
Fish		3		600	
Leather manufactures		546		259,082	
Miscellaneous animal products		1,576		472,800	

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ST. LOUIS, MO.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS—continued.					
Vegetable food products			33,227		$5,263,490
Grains, and preparations of		1,116		$63,580	
Fodders and feeds		338		16,900	
Vegetables		1,419		214,790	
Fruits and nuts		278		22,240	
Sugar		17,996		1,799,600	
Coffee		9,162		2,748,600	
Molasses and sirups		2,550		382,500	
Beverages		368		15,280	
Other vegetable products			1,845		564,650
Naval stores, gums and resins		317		31,700	
Crude drugs and essential oils		188		37,600	
Dyeing and tanning materials of vegetable origin		60		6,000	
Seeds for sowing		65		3,350	
Tobacco		1,215		486,000	
Textiles			60,980		9,353,300
Cotton		1,824		364,800	
Other vegetable fibers		58,756		8,871,400	
Wool and hair		85		22,000	
Miscellaneous textile products		315		94,500	
Wood and paper			24,121		260,851
Logs, barged	19,000			114,000	
Boards, planks, and other sawed lumber	2,400	1,366		71,130	
Manufactures of wood		183		8,640	
Pulp wood		223		1,015	
Paper, except printed matter		430		14,166	
Books, maps, pictures, and other printed matter		519		51,900	
Nonmetallic minerals			19,213		172,230
Coal		15,000		75,000	
Asphalt		125		6,250	
Glass and glass products		42		8,400	
Stone	3,550			8,875	
Cement		64		960	
Clay and clay products		227		11,245	
Other nonmetallic minerals		205		61,500	
Ores, metals, and manufactures of			2,137		231,300
Iron and steel		1,918		191,800	
Lead, mercury, and nickel		88		26,400	
Other metals and alloys		131		13,100	
Machinery and vehicles			3,474		778,300
Other machinery, except agricultural		3,223		700,700	
Agricultural machinery and implements		111		37,900	
Vehicles		140		39,700	
Chemicals			6,583		1,461,550
Coal-tar products		225		22,500	
Chemicals, except coal-tar		1,479		443,700	
Medicinal and pharmaceutical preparations		267		133,500	
Pigments, paints, and varnishes		300		39,600	
Fertilizers, and fertilizer materials		719		35,950	
Explosives, ammunition		2,135		640,500	
Miscellaneous chemical products		1,458		145,800	
Unclassified: Miscellaneous		26,792	26,792	2,591,275	2,591,275
Total shipments	24,950	164,261	189,211		24,796,078
Total receipts and shipments	540,355	460,081	1,000,436		50,732,976

NOTE.—The foregoing includes 56 tons meat, poultry and eggs, 156 tons vegetables, 5,095 tons (bulk) sawed lumber, 12,300 tons (bulk) and 15,000 tons (package) coal, 28,350 tons (bulk) stone, 23 tons iron and steel and 992 tons unclassified miscellaneous, handled by Government vessels.

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MEMPHIS, TENN.

(Traffic shown below is also included in statistics for stretches between St. Louis, Mo., and New Orleans, La.)

Year.	Tons.	Value.[1]	Passengers.	Floated logs.	
				Tons.	Value.[1]
1917	560,207	.....	137,420	15,785	.....
1918	760,478	.....	93,654	17,132	.....
1919	501,335	.....	158,208	10,243	.....
1920	691,635	$29,409,298	[2] 514,540	3,487	$17,435
1921	587,747	32,008,826	[3] 218,320	12,902	64,510

[1] Unknown prior to 1920. [2] 357,272 excursion. [3] 61,270 excursion.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL RECEIPTS.					
Animals and animal products	.....	.....	2,635	.....	$960,234
Animals	.....	2,110	.....	$778,400	.....
Meat, poultry, and eggs	.....	132	.....	24,734	.....
Fish	.....	35	.....	14,000	.....
Animal and fish oils, fats, and greases	.....	139	.....	35,700	.....
Hides and skins, except fur skins	.....	3	.....	1,200	.....
Leather manufactures	.....	138	.....	82,800	.....
Miscellaneous animal products	.....	78	.....	23,400	.....
Vegetable food products	.....	.....	10,523	.....	872,210
Grains, and preparations of	.....	1,322	.....	57,990	.....
Flour	.....	26	.....	2,816	.....
Fodders and feeds	.....	575	.....	33,500	.....
Vegetables	.....	967	.....	96,400	.....
Oil seeds	.....	4,479	.....	186,450	.....
Coffee	.....	5	.....	1,500	.....
Fruits, and nuts	.....	216	.....	42,075	.....
Sugar	.....	281	.....	53,679	.....
Sirup and molasses	.....	2,652	.....	397,800	.....
Other vegetable products: Miscellaneous vegetable products	.....	1	1	304	304
Textiles	.....	.....	68,377	.....	15,773,046
Cotton	.....	167,941	.....	15,707,000	.....
Other vegetable fibers	.....	407	.....	61,050	.....
Miscellaneous textile products	.....	29	.....	64,996	.....
Wood and paper	.....	.....	19,115	.....	266,385
Logs, rafted	12,902	.....	.....	64,510	.....
Logs, barged	.....	523	.....	2,615	.....
Boards, planks, and other sawed lumber	.....	1,460	.....	42,600	.....
Paper, except printed matter	.....	2,895	.....	23,160	.....
Books, maps, pictures, and other printed matter	.....	1,235	.....	133,500	.....
Nonmetallic minerals	.....	.....	253,157	.....	838,165
Coal	121,640	6,411	.....	641,215	.....
Fuel oil	.....	20	.....	500	.....
Sand	387	.....	.....	192	.....
Gravel	113,660	.....	.....	94,890	.....
Stone	10,200	.....	.....	30,600	.....
Other nonmetallic minerals	.....	839	.....	70,768	.....
Ores, metals and manufactures of	.....	.....	2,768	.....	262,883
Iron and steel	.....	2,229	.....	222,300	.....
Crude manufactured forms	.....	327	.....	19,383	.....
Other metals and alloys	.....	212	.....	21,200	.....
Machinery and vehicles: Other machinery, except agricultural	.....	693	693	242,600	242,600

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MEMPHIS, TENN.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL RECEIPTS—continued.					
Chemicals			1,352		$289,977
Chemicals, except coal tar		827		$248,100	
Pigments, paints, and varnishes		220		22,000	
Fertilizers, and fertilizer materials		230		11,500	
Miscellaneous chemical products		75		8,377	
Unclassified			1,952		319,549
Scientific and professional instruments		40		3,000	
Miscellaneous		1,912		316,549	
Total receipts	258,789	201,784	460,573		19,825,353
SHIPMENTS.					
Animals and animal products			2,366		780,117
Animals		529		104,850	
Meat, poultry, and eggs		980		388,167	
Fish		26		5,200	
Animal and fish oils, fats, and greases		322		96,600	
Hides and skins, except fur skins		27		11,600	
Leather manufactures		98		58,500	
Miscellaneous animal products		384		115,200	
Vegetable food products			13,653		2,079,098
Grains, and preparations of		1,387		75,720	
Oats		2		120	
Flour		5		461	
Fodders and feeds		967		51,620	
Vegetables		1,275		117,780	
Fruits and nuts		127		49,175	
Oil seed		4,654		217,800	
Coffee		5,232		1,566,000	
Sugar		4		422	
Other vegetable products: Miscellaneous vegetable products		16	16	2,105	2,105
Textiles			24,259		5,445,553
Cotton		15,047		4,063,800	
Other vegetable fibers		9,211		1,381,650	
Miscellaneous textile products		1		103	
Wood and paper			585		6,970
Logs, barged		436		4,360	
Boards, planks, and other sawed lumber		90		2,138	
Paper, except printed matter		59		472	
Nonmetallic minerals			83,735		3,369,425
Fuel oil	182,725	255		3,364,712	
Coal	585	113		4,143	
Other nonmetallic minerals		57		570	
Ores, metals and manufactures of: Iron and steel		164	164	24,310	24,310
Machinery and vehicles			368		121,800
Construction and conveying machinery		148		88,800	
Vehicles		220		33,000	
Chemicals			968		150,862
Chemicals, except coal tar		38		11,400	
Miscellaneous chemical products		930		139,462	
Unclassified			1,060		203,233
Scientific and professional instruments		50		3,753	
Miscellaneous		1,010		199,480	
Total shipments	183,310	43,864	227,174		12,183,473
Total receipts and shipments	442,099	245,648	587,747		32,008,826

NOTE.—The foregoing includes 151 tons meat, poultry, and eggs, 31 tons flour, 35 tons sugar, 17 tons miscellaneous vegetable products, 30 tons miscellaneous textile products, 1,440 tons sawed lumber, 585 tons (bulk) and 6,411 tons (pkg.) coal, 256 tons fuel oil, 387 tons (bulk) sand, 2,197 tons (bulk) gravel, 839 tons other nonmetallic minerals, 327 tons crude manufactured forms, 391 tons machinery, 79 tons miscellaneous chemical products, and 800 tons unclassified miscellaneous, handled by Government vessels.

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VICKSBURG, MISS.

(Traffic shown below is also included in statistics for stretches between St. Louis, Mo., and New Orleans, La.)

Year.	Tons.	Value.[1]	Passengers.	Floated logs.	
				Tons.	Value.[1]
1917	98,129		138	2,117	
1918	151,216		10,977	3,221	
1919	80,563		9,644	1,173	
1920	78,752	$19,055,915	72,657		
1921	203,664	4,772,441	23,231	10,700	$32,100

[1] Unknown prior to 1920.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
INTERNAL RECEIPTS.					
Animals and animal products			959		$247,250
Animals		94		$30,500	
Meat, poultry, and eggs		764		191,000	
Dairy products		101		25,750	
Vegetable food products			12,897		1,092,375
Grains, and preparations of		415		24,900	
Oats		3,872		232,320	
Fodders and feeds		1,702		102,120	
Vegetables		5,031		603,720	
Fruits and nuts		962		81,770	
Coffee		7		2,100	
Oil seeds		846		38,070	
Molasses and sirups		23		4,450	
Beverages		39		2,925	
Other vegetable products			30		2,900
Tobacco		2		800	
Miscellaneous vegetable products		28		2,100	
Textiles: Cotton		14	14	5,600	5,600
Wood and paper			50,188		172,197
Logs, barged	37,636	11,287		135,482	
Boards, planks, and other sawed lumber		1,265		36,715	
Nonmetallic minerals			38,157		216,081
Coal	10,883	22,027		192,533	
Sand		4,050		810	
Stone		325		1,138	
Cement		840		16,800	
Glass and glass products		22		4,400	
Clay and clay products		10		400	
Ores, metals, and manufactures of: Iron and steel		1,722	1,722	170,160	170,160
Machinery and vehicles			12,483		1,593,100
Power generating machinery except electric		69		34,500	
Construction and conveying machinery		10,105		1,206,800	
Other machinery, except agricultural		109		21,800	
Agricultural machinery and implements		2,200		330,000	
Chemicals			71		6,370
Pigments, paints, and varnishes		8		2,000	
Fertilizers, and fertilizer materials		2		100	
Miscellaneous chemical products		61		4,270	
Unclassified			3,393		437,900
Scientific and professional instruments		5		1,000	
Toys, athletic and sporting goods		1		200	
Miscellaneous		3,387		436,700	
Total receipts	48,519	71,395	119,914		3,943,933

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VICKSBURG, MISS.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS.					
Animals and animal products			301		$98,750
Animals		136		$38,000	
Meat, poultry, and eggs		129		45,150	
Dairy products		30		14,400	
Fish		6		1,200	
Vegetable food products			1,259		132,720
Grains, and preparations of		180		10,640	
Sugar		715		73,200	
Flour		98		7,840	
Fodders and feeds		10		100	
Vegetables		151		18,120	
Coffee		27		12,200	
Fruits and nuts		60		9,000	
Sirup and molasses		18		1,620	
Other vegetable products			99		47,700
Tobacco		95		47,300	
Miscellaneous vegetable products		4		400	
Wood and paper			75,200		181,100
Logs, rafted	10,700			32,100	
Logs, barged	64,500			149,000	
Nonmetallic minerals			3,667		40,698
Cement		3,648		40,128	
Other nonmetallic minerals		19		570	
Ores, metals, and manufactures of: Iron and steel		6	6	600	600
Machinery and vehicles			915		97,140
Power generating machinery, except electric		5		2,500	
Construction and conveying machinery		910		94,640	
Chemicals: Fertilizers, and fertilizer materials		10	10	500	500
Unclassified: Miscellaneous		2,293	2,293	229,300	229,300
Total shipments	75,200	8,550	83,750		828,508
Total receipts and shipments	123,719	79,945	203,664		4,772,441

NOTE.—The foregoing includes 75 tons animals, 129 tons meat, poultry and eggs, 30 tons dairy products, 6 tons fish, 46 tons grains and preparations of, 98 tons flour, 10 tons fodders and feeds, 151 tons vegetables, 7 tons coffee, 60 tons fruits and nuts, 68 tons sugar, 18 tons sirup and molasses, 28 tons miscellaneous vegetable products, 95 tons sawed lumber, 21,857 tons coal, 4,050 tons sand, 325 tons stone, 19 tons other nonmetallic minerals, 10,612 tons construction and conveying machinery, handled by Government vessels.

BATON ROUGE, LA.

Freight traffic, 1921.[1]

DOMESTIC.

Classes and commodities.	Tons.	Value.
RECEIPTS, COASTWISE.		
Nonmetallic minerals: Petroleum	94,573	$1,134,876
SHIPMENTS, COASTWISE.		
Nonmetallic minerals: Petroleum and products	1,136,398	13,636,776
Total receipts and shipments	1,230,971	14,771,652

[1] Incomplete.

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REPORTED BY NEW ORLEANS, LA., DISTRICT.

PORT OF NEW ORLEANS, LA.

Comparative statement of traffic.

Year.	Tons.	Value.	Cargoes in transit.		Passengers.
			Tons.	Value.	
1892	3,542,509	$152,721,614	(1)	(1)	(1)
1893	2,962,798	109,708,073	(1)	(1)	(1)
1894	2,074,118	102,514,210	(1)	(1)	(1)
1895	3,142,302	82,324,199	(1)	(1)	(1)
1896	2,140,396	95,962,965	(1)	(1)	(1)
1897	3,774,688	116,304,668	(1)	(1)	(1)
1898	4,236,663	119,662,010	(1)	(1)	(1)
1899	3,176,740	122,676,212	(1)	(1)	(1)
1900	2,773,645	162,374,314	(1)	(1)	(1)
1901	4,213,869	255,525,738	(1)	(1)	(1)
1902	3,385,686	217,887,867	(1)	(1)	(1)
1903	3,062,506	220,939,296	(1)	(1)	(1)
1904	2,853,936	220,712,403	(1)	(1)	(1)
1905	3,478,976	227,706,950	(1)	(1)	(1)
1906	4,036,594	267,075,670	(1)	(1)	(1)
1907	3,527,097	259,032,495	(1)	(1)	(1)
1908	3,088,472	(1)	(1)	(1)	(1)
1909	3,368,722	(1)	(1)	(1)	(1)
1910	3,964,109	(1)	(1)	(1)	(1)
1911	4,487,726	263,361,681	(1)	(1)	(1)
1912	5,059,830	299,450,727	(1)	(1)	(1)
1913	6,442,932	315,082,532	(1)	(1)	(1)
1914	6,273,012	311,557,861	(1)	(1)	(1)
1915	6,536,132	368,825,630	(1)	(1)	(1)
1916	7,300,432	416,610,425	(1)	(1)	41,346
1917	8,014,543	548,843,762	5,870	$534,138	22,157
1918	9,087,084	665,579,937	8,331	1,142,123	8,380
1919	8,895,681	875,237,656	153,546	30,602,860	8,367
1920	11,823,863	1,066,634,876	589,334	94,324,792	(1)
1921	15,123,036	725,504,318	1,717,223	59,553,113	(1)

[1] No statistics available.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Freight traffic, 1921.

FOREIGN.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS.				
Animals and animal products		5,079		$271,439
Bones, hoofs, etc	4,491		$111,580	
All other	512		141,880	
Do	[1] 76		17,979	
Vegetable food products		1,155,928		70,177,903
Cocoa, crude	1,003		248,017	
Coffee	166,778		31,097,497	
Bananas	495,297		7,233,007	
Coconuts	3,503		182,527	
Lemons	[1] 1,550		124,041	
Olive oil	239		140,683	
Molasses	185,632		624,044	
Cane sugar	298,644		30,167,453	
All other	2,279		159,942	
Do	[1] 1,003		200,692	
Other vegetable products		767		497,593
Sugar-beet seed	585		289,652	
All other	144		189,217	
Do	[1] 38		18,724	
Textiles		129,913		18,976,756
Jute and jute butts	1,456		33,836	
Sisal	68,117		7,124,911	
Bagging for cotton	[1] 2,994		179,664	
Burlaps	55,376		10,897,195	
Fiber jute bags	1,141		95,751	
All other	50		22,255	
Do	[1] 779		623,144	

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PORT OF NEW ORLEANS, LA.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
IMPORTS—continued.				
Wood and paper		63,148		$1,923,568
Wood pulp	1,400		$59,830	
Rags, not woolen	3,009		63,124	
Other paper stock	1,266		22,670	
Printing paper	1,591		128,800	
Mahogany	53,564		1,515,372	
All other	942		37,454	
Do	[1] 1,376		96,318	
Nonmetallic minerals		3,207,970		11,277,767
Asphalt	2,100		30,576	
Crude mineral oil	3,172,035		10,235,552	
Benzine, gasoline, naphtha	15,245		457,620	
Other refined mineral oils	8,037		191,426	
Cement	38		285	
Bituminous coal	310		1,481	
Salt	3,941		61,042	
Stone, marble and onyx	483		16,150	
All other	3,943		99,829	
Do	[1] 1,838		183,806	
Ores, metals and manufacturers of		4,692		880,244
Iron ore	577		3,830	
Pig iron ferromanganese	1,594		158,635	
Tin pigs	1,132		568,481	
Structural iron	42		9,913	
Iron and steel manufactures	897		26,919	
All other	83		20,738	
Do	[1] 367		91,728	
Machinery and vehicles: All other	[1] 265	265	53,070	53,070
Chemicals		95,827		3,942,437
Creosote oil	58,665		2,150,377	
Soda nitrate	35,122		1,561,874	
All other	1,604		121,474	
Do	[1] 436		108,712	
Unclassified		2,281		2,282,302
United States returned autos	[1] 1,778		1,778,674	
All other	[1] 503		503,628	
Total imports		4,665,870		110,283,079
EXPORTS.				
Animals and animal products		42,407		12,233,788
Eggs	956		403,562	
Horses, mules, and hogs	1,361		374,815	
Canned fish	[1] 784		156,866	
Shell fish	[1] 1,895		379,044	
Soap stock and other grease	[1] 2,453		245,327	
Cattle hides	[1] 799		224,040	
Hides	345		158,204	
Men's shoes	719		503,632	
Women's shoes	[1] 467		327,070	
Oleo oil	1,566		352,193	
Bacon	978		363,949	
Ham and shoulders	918		447,297	
Lard	17,711		4,764,755	
Pork, pickled	594		148,476	
Lard compounds	3,115		757,966	
Evaporated and condensed milk	1,874		478,044	
Butter	407		408,355	
Cheese	446		217,787	
All other	2,402		734,207	
Do	[1] 2,617		788,199	
Vegetable food products		2,868,987		157,043,455
Barley	25,543		973,338	
Corn	389,845		10,397,082	
Corn meal	3,736		148,458	
Oats	8,704		287,988	
Cereal preparations	[1] 5,457		218,291	
Rice	167,442		11,202,181	
Rye	81,938		1,763,712	
Wheat	1,708,881		93,902,375	
Flour	296,527		22,037,413	
Other breadstuffs	[1] 9,248		369,918	

[1] Weight estimated.

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PORT OF NEW ORLEANS, LA.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Vegetable food products—Continued.				
Glucose	19,650		$913,336	
Malt	22,863		1,271,175	
Cottonseed cake	19,417		684,360	
Cottonseed meal	10,165		376,509	
Cottonseed oil	28,191		5,519,906	
Sugar, refined	31,905		3,689,664	
Beans	4,882		586,069	
Onions	5,072		349,802	
Potatoes	3,730		209,981	
All other	13,688		1,137,323	
Do	[1] 12,103		1,004,574	
Other vegetable products		126,141		$329,572,572
Rubber shoes	[1] 238		166,394	
Rosin	43,567		1,068,414	
Sirup of turpentine	4,032		690,428	
Corn starch	5,595		284,013	
Leaf tobacco	65,439		27,119,051	
All other	2,530		183,002	
Do	[1] 4,740		341,271	
Textiles		335,809		113,321,844
Upland cotton	314,904		108,609,463	
Linters, cotton	4,421		295,465	
Unbleached duck	[1] 386		102,235	
Unbleached cloths	[1] 2,486		658,730	
Bleached cloths	[1] 1,115		295,538	
Printed cloths	[1] 904		239,514	
Dyed in piece cloth	[1] 2,356		624,323	
Dyed in yarn	[1] 1,023		270,967	
Hosiery	[1] 456		120,967	
Wearing apparel for men	[1] 1,942		514,631	
Manufactures of cotton	[1] 1,208		320,355	
Fiber bags	[1] 490		122,497	
Other manufactures of fiber	[1] 1,552		357,550	
All other	331		94,865	
Do	[1] 2,325		664,744	
Wood and paper		588,920		15,054,909
Books, etc	[1] 2,698		134,461	
Printing paper	435		120,104	
Writing paper	[1] 2,440		121,967	
Other paper	[1] 2,571		128,545	
Hardwood logs	12,164		232,152	
Sawed pitch pine lumber	87,228		734,751	
Railroad ties	23,357		515,781	
Cypress boards	2,562		111,124	
Gum boards	35,490		916,023	
Oak boards	34,484		1,125,035	
Yellow pine boards	131,664		3,058,150	
Hardwood boards	21,332		1,367,216	
Other lumber	[1] 24,712		617,808	
Handles	[1] 8,334		208,357	
Hogsheads, empty	[1] 4,563		114,088	
Box shooks	[1] 27,294		672,344	
Cooperage hooks	[1] 18,724		468,922	
Staves	[1] 85,426		2,135,652	
Other manufactures of wood	[1] 44,788		1,119,699	
All other	10,597		346,953	
Do	[1] 8,057		805,777	
Nonmetallic minerals		2,143,926		60,239,080
Asphaltum	4,339		144,074	
Sulphur	3,730		62,915	
Bituminous coal	17,657		86,704	
Coke	1,567		33,762	
Fire brick	5,118		152,986	
Glass bottles	[1] 1,386		415,856	
Plate glass	[1] 1,017		305,068	
Other glass	[1] 601		180,128	
Crude mineral oil	297,681		5,306,261	
Fuel and gas oils	670,865		6,786,935	
Illuminating oil	475,679		10,345,656	
Other lubricating oils	14,663		1,100,204	
Gasoline	318,200		17,440,660	
Other naphthas	279,389		15,512,978	
Unrefined paraffin	2,735		194,612	
Refined paraffin	15,420		1,404,317	

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PORT OF NEW ORLEANS, LA.—continued.

FOREIGN—Continued.

Classes and commodities.	Amount in short tons.		Value.	
	By commodities.	By classes.	By commodities.	By classes.
EXPORTS—continued.				
Nonmetallic minerals—Continued.				
Cement	4,176		$72,910	
Salt	14,986		257,968	
Sand, gravel, and stone	[1] 220		477	
All other	2,210		66,991	
Do	[1] 12,287		368,618	
Ores, metals and manufactures of		225,388		$18,067,680
Furniture of metal	[1] 2,362		472,482	
Pig iron	1,460		42,453	
Other bars or rods of steel	17,950		964,413	
Bolts and nuts	792		101,648	
Enamelware	[1] 800		160,007	
Hoops, bands, and scroll iron	1,351		73,908	
Wire nails	1,066		94,654	
Cast and wrought iron pipe	38,049		3,907,259	
Steel rails	52,218		2,760,885	
Switches	[1] 2,078		207,880	
Galvanized sheets and plates	2,898		322,718	
Steel plates and sheets	62,082		3,958,106	
Stoves and ranges	[1] 1,092		109,270	
Structural iron and steel	12,241		931,556	
Tin plates	1,554		190,272	
Tools	[1] 2,766		276,656	
Barbed and other wire	4,342		510,647	
Other manufactures of iron and steel	[1] 1,277		1,277,932	
Lead pigs	3,247		288,883	
All other	4,078		364,426	
Do	[1] 11,685		1,051,625	
Machinery and vehicles		82,043		11,497,110
Mowers	[1] 8,012		600,931	
Thrashers	[1] 1,949		146,193	
Other agricultural implements	[1] 23,595		1,769,645	
Parts of agricultural implements	[1] 1,561		117,116	
Autos, commercial, passenger, and parts of	[1] 3,415		540,334	
Freight and other cars	[1] 250		300,400	
Parts of cars for railway	[1] 1,642		131,348	
Other vehicles	[1] 3,607		288,497	
Electric machinery	[1] 2,163		432,704	
Traction engines, gas	[1] 763		152,612	
Kerosene engines, traction	[1] 2,031		406,223	
Boilers	[1] 1,128		225,744	
Other parts of engines	[1] 1,677		335,369	
Excavating machinery	[1] 1,643		328,588	
Other metal-working machinery	[1] 816		163,194	
Oil-well machinery	[1] 4,044		808,713	
Pumps and pumping machinery	[1] 2,089		417,948	
Sugar-mill machinery	[1] 4,679		935,794	
Other machinery	[1] 5,738		1,147,633	
All other	[1] 11,241		2,248,324	
Chemicals		48,217		4,420,027
Medical preparations	[1] 333		333,614	
Sulphate of ammonia	20,974		1,107,654	
Carbon, bone, etc	[1] 5,243		340,813	
Ready-mixed paints	467		124,568	
Soaps	6,840		1,136,509	
Alcohol	7,347		555,561	
All other	3,566		417,930	
Do	[1] 3,447		403,378	
Unclassified		3,458		1,175,970
All other	156		53,285	
Do	[1] 3,302		1,122,685	
Total exports		6,465,386		422,926,436
Total imports and exports		11,131,256		533,209,515

[1] Weight estimated.

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PORT OF NEW ORLEANS, LA.—continued.

DOMESTIC.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE.					
Animals and animal products			174		$111,660
Animals, fish, and products	32			$8,000	
Leather goods		24		60,000	
Packing-house products		118		43,660	
Vegetable food products			40,809		9,156,379
Coconuts		235		18,800	
Beans, dried		130		19,500	
Canned goods, preserves, and pickles		17,967		5,300,265	
Coffee		2,551		561,220	
Confectionery		389		194,500	
Fruits		83		13,280	
Fruits, dried		248		74,400	
Flour and meals		45		6,075	
Liquors		83		124,500	
Nuts		337		141,540	
Oils, vegetable		269		102,220	
Onions		26		1,560	
Potatoes		1,129		67,740	
Rice and products		33		1,980	
Sugar		14,426		2,019,640	
Sirup, glucose, and molasses		179		7,518	
Tar, pitch, rosin, and turpentine		72		7,632	
Vinegar and cider		130		10,400	
All other		2,477		483,609	
Other vegetable products			715		2,546,810
Brooms and brushes		15		4,500	
Rubber and rubber goods		54		189,000	
Starch		59		5,310	
Tobacco, leaf		587		2,348,000	
Textiles			9,900		2,360,391
Bags and bagging		6,953		1,182,010	
Carpets, rugs, mats, and matting		43		37,625	
Cordage, rope, and twine		1,892		378,400	
Dry goods		826		660,800	
Oil cloth and linoleum		186		101,556	
Wood and paper			10,826		2,162,580
Books, tablets, and book paper		2,090		1,045,000	
Furniture, mantels, etc		664		156,040	
Lumber manufactures		39		2,730	
Paper, building and felt		174		17,400	
Paper, newsprint		4,801		576,120	
Paper, wall		61		18,300	
Paper, wrapping, tissue, and toilet		1,900		275,500	
Roofing		1,016		60,960	
Woodenware and fiberware		81		10,530	
Nonmetallic minerals			203,978		5,310,147
Asphaltum and gilsonite		100		4,000	
Brick and fire clay	40			400	
Cement and articles of		3,248		51,968	
Crockery		23		2,300	
Fuller's earth		2,104		16,832	
Glass and glassware		110		27,500	
Oil, fuel	45,333			453,330	
Oil, lubricating		5,736		286,800	
Oil, mineral		814		24,420	
Oil, refined	91,430			3,657,200	
Petroleum and products	47,203			566,436	
Plaster		265		10,600	
Sewer pipe and drain tile	299			4,485	
Stone, granite, and marble	6,291			188,730	
Sulphur	638			10,846	
Mineral products, n. o. s.		344		4,300	
Ores, metals, and manufactures of			8,497		712,200
Armor plate, boiler and sheet	1,381			55,240	
Bar, band, and hoop		183		5,490	
Bolts, nuts, and washers		200		10,000	
Brass and copper articles		406		162,400	
Castings, chains, and forgings		312		31,200	
Horse, mule, and ox shoes		41		3,280	
Iron drums		318		76,320	
Iron pipe, poles, piling, and posts		1,867		93,350	
Iron and steel manufactures		1,936		58,080	
Nails and wire		653		39,180	

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PORT OF NEW ORLEANS, LA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE—Continued.					
Ores, metals, and manufactures of—Con.					
Stoves, ranges, and fixtures		123		$24,600	
Structural iron and steel		432		17,280	
Tinware and tin articles		164		49,200	
Wire rope and cable		481		86,580	
Machinery and vehicles			5,813		$1,578,360
Agricultural implements and vehicles		40		8,000	
Automobiles		60		60,000	
Machinery, electrical		994		596,400	
Machinery, machines, and pumps		1,810		398,200	
Miscellaneous manufactures		1,811		362,200	
Plumbers' goods and supplies		312		62,400	
Railway rolling stock		85		8,500	
Railway material		544		38,080	
Steam and hot-water heating apparatus		139		41,700	
Trucks and wheelbarrows		18		2,880	
Chemicals			20,836		3,102,827
Alcohol		18		15,750	
Ammunition		932		537,764	
Chemicals		800		200,000	
Dips and sprays		31		8,060	
Explosives		47		22,184	
Paints, putty, and varnish		2,480		525,760	
Phosphate rock	3,781			18,905	
Soap and soap powders		12,588		1,762,320	
Soda and sodium		159		12,084	
Unclassified			1,150		380,416
Household goods		6		1,200	
Junk	16			416	
Matches		19		7,600	
Miscellaneous		868		130,200	
Musical instruments		241		241,000	
Total receipts, coastwise	196,444	106,254	302,698		27,421,770
SHIPMENTS, COASTWISE.					
Animals and animal products			4,459		1,668,412
Animals, fish, and products	10			2,500	
Cattle	112			13,440	
Horses and mules	19			3,572	
Hides, pelts, skins, and furs		132		66,000	
Leather and leather goods		16		40,000	
Packing-house products		4,170		1,542,900	
Vegetable food products			173,248		15,359,193
Barley		35		2,450	
Beans, dried		1,647		247,050	
Beverages		300		18,000	
Canned goods, preserves, and pickles		1,684		505,780	
Coffee		844		185,680	
Cotton seed and products		161		5,152	
Flour		24,034		3,244,590	
Fruits, dried		137		41,100	
Grain and grain products		8,189		409,450	
Liquors, malt		22		22,000	
Liquors, n. o. s.		136		204,000	
Nuts		241		101,220	
Oats		91		3,640	
Oils, vegetable		3,208		1,219,040	
Rice		87,961		5,277,660	
Sugar		11,437		1,601,180	
Sirup, glucose, and molasses		18,748		787,416	
Tar, pitch, rosin, and turpentine		13,356		1,415,736	
All others		1,017		68,049	
Other vegetable products			55		183,652
Hops		12		11,652	
Tobacco		43		172,000	
Textiles			12,965		4,316,914
Bags and bagging		1,639		278,630	
Cotton and cotton linters		10,901		3,749,944	
Dry goods		343		274,000	
Fibers		82		13,940	

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PORT OF NEW ORLEANS, LA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, COASTWISE—continued.					
Wood and paper			47,584		$3,548,671
Forest products		79		$5,536	
Logs	20			80	
Lumber manufactures		38,937		2,725,590	
Paper, wrapping and tissue		3,097		536,065	
Piling, poles, ties, and timber		2,910		87,300	
Shooks, box		1,941		194,100	
Nonmetallic minerals			11,065		319,380
Asphalt		1,460		58,400	
Fire brick and clay	366			3,660	
Crockery		293		29,300	
Gasoline		3,072		153,600	
Mineral products, n. o. s.		116		1,450	
Oils, mineral		720		21,600	
Plaster		33		1,320	
Salt		5,005		50,050	
Ores, metals, and manufacturers of			4,312		270,500
Brass and copper articles		22		8,800	
Castings, chains, and forgings		27		2,700	
Iron and steel manufactures		3,258		97,740	
Lead and zinc		982		157,120	
Wire rope and cable		23		4,140	
Machinery and vehicles			331		85,300
Automobiles		16		16,000	
Machinery		315		69,300	
Chemicals			5,473		2,490,320
Alcohol		2,120		1,855,000	
Chemicals		40		10,000	
Copper bullion		714		211,344	
Fertilizer		1,367		82,020	
Paints, putty, and varnish		698		147,976	
Patent medicines		127		127,000	
Soap		407		56,980	
Unclassified			9,113		1,338,554
Junk	229			5,954	
Miscellaneous		8,884		1,332,600	
Total shipments, coastwise	756	267,849	268,605		29,580,896
Total receipts and shipments	197,200	374,103	571,303		57,002,666
RECEIPTS, INTERNAL.[1]					
Animals and animal products			5,657		1,565,300
Animals		1,203		302,700	
Meat, poultry, and eggs		2,418		917,500	
Fish		2,000		280,000	
Hides and skins, except fur skins		10		4,500	
Leather manufactures		24		60,000	
Miscellaneous animal products		2		600	
Vegetable food products			326,804		22,348,549
Grains, and preparations of		11,829		152,335	
Wheat		142,124		5,918,760	
Corn		88,125		2,311,905	
Oats		573		17,190	
Flour		45		6,075	
Fodders and feeds		430		21,500	
Vegetables		11,987		1,976,609	
Fruits and nuts		18,635		5,529,485	
Oilseeds		3,122		271,140	
Coffee		2,629		584,620	
Sugar		43,500		4,931,667	
Sirup and molasses		2,040		352,713	
Beverages		1,765		274,550	
Other vegetable products			2,118		619,564
Rubber		54		189,000	
Naval stores, gums and resins		72		7,632	
Tobacco		843		292,080	
Miscellaneous vegetable products		1,149		130,852	
Textiles			46,728		10,180,191
Cotton		35,301		7,360,200	
Other vegetable fibers		7		3,600	
Miscellaneous textile products		11,420		2,816,391	

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PORT OF NEW ORLEANS, LA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
RECEIPTS, INTERNAL—continued.					
Wood and paper			27,810		$2,456,951
Logs		6		$60	
Boards, planks, and other sawed lumber		14,581		166,601	
Manufactures of wood		3,079		296,500	
Pulpwood		102		510	
Paper, except printed matter		7,952		948,280	
Books, maps, pictures, and other printed matter		2,090		1,045,000	
Nonmetallic minerals			1,284,764		15,438,182
Coal	152,147	19,057		1,108,611	
Asphalt		103		4,150	
Fuel oil	236,206	849,912		13,692,882	
Plaster		265		10,600	
Sand		4,221		7,974	
Gravel		7,603		12,544	
Stone		6,316		188,805	
Cement		3,987		63,053	
Glass and glass products		546		112,400	
Clay and clay products	339	2,474		40,217	
Other nonmetallic minerals		1,558		196,946	
Ores, metals, and manufactures of			15,736		1,458,510
Iron and steel	1,381	14,224		1,445,410	
Other metals and alloys		131		13,100	
Machinery and vehicles			12,874		3,586,460
Power generating machinery; except electric		189		48,700	
Electrical machinery and apparatus		968		620,400	
Construction and conveying machinery		544		30,080	
Other machinery, except agricultural		4,684		1,032,100	
Agricultural machinery and implements		5,437		1,631,100	
Vehicles		1,052		224,080	
Chemical			14,309		5,067,156
Coal-tar products		60		7,300	
Chemicals, except coal tar		11,165		4,556,380	
Medicinal and pharmaceutical preparations		327		177,000	
Pigments, paints, and varnishes		713		149,476	
Fertilizers and fertilizer materials		1,457		85,520	
Explosives, ammunition		21		6,300	
Miscellaneous chemical products		566		85,180	
Unclassified			19,881		1,932,529
Miscellaneous office supplies		175		17,500	
Miscellaneous		19,706		1,915,029	
Total receipts, internal	390,073	1,366,608	1,756,681		64,653,392
SHIPMENTS, INTERNAL.[1]					
Animals and animal products			13,212		3,971,496
Animals		951		238,262	
Meat, poultry, and eggs		4,745		1,665,034	
Dairy products		92		50,000	
Fish		3,130		588,100	
Animal and fish oils, fats, and greases		90		15,000	
Hides and skins, except fur skins		132		66,000	
Leather manufactures		525		285,000	
Miscellaneous animal products		3,547		1,064,100	
Vegetable food products			203,677		21,551,867
Grain, and preparations of		102,400		6,040,870	
Barley		35		2,450	
Oats		91		3,640	
Flour		24,034		3,244,590	
Fodders and feeds		1,000		50,000	
Vegetables		5,681		1,033,429	
Fruits and nuts		1,443		337,520	
Oil seeds		3,529		1,244,192	
Coffee		16,525		4,895,780	
Sugar		28,002		3,257,680	
Sirup and molasses		20,423		1,194,916	
Beverages		514		246,800	

[1] Reported by Mississippi River Commission.

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PORT OF NEW ORLEANS, LA.—continued.

DOMESTIC—Continued.

Classes and commodities.	Amount in short tons, by commodities.		Amount in short tons, by classes.	Value.	
	Bulk.	Package.		By commodities.	By classes.
SHIPMENTS, INTERNAL—continued.					
Other vegetable products			15,761		$4,312,446
Rubber		5		$5,000	
Naval stores, gums and resins		13,655		1,445,636	
Seeds for sowing		50		4,500	
Tobacco		1,802		2,834,000	
Miscellaneous vegetable products		249		23,310	
Textiles			80,720		14,675,164
Cotton		12,594		4,090,044	
Other vegetable fibers		65,690		9,912,250	
Wool and hair		57		11,400	
Miscellaneous textile products		2,379		661,470	
Wood and paper			65,040		3,753,967
Logs, rafted	10,700			32,100	
Logs, barged	2,400			5,400	
Boards, planks, and other sawed lumber		3,139		103,361	
Manufactures of wood		44,046		3,021,618	
Pulp wood		223		1,015	
Paper, except printed matter		4,013		538,593	
Books, maps, pictures, and other printed matter		519		51,900	
Nonmetallic minerals			1,230,316		14,883,952
Coal	3,820	4,549		54,190	
Fuel oil	1,136,398	77,308		14,594,932	
Asphalt		1,460		59,400	
Sand		500		750	
Clay and clay products	366	499		43,260	
Plaster		33		1,320	
Other nonmetallic minerals		5,383		130,100	
Ores, metals, and manufactures of			15,604		977,804
Iron and steel		4,733		257,470	
Crude manufactured forms		27		2,700	
Aluminum and antimony		8,307		83,070	
Brass and bronze		736		220,144	
Lead, mercury, and nickel		1,049		177,220	
Tin and zinc		540		216,000	
Other metals and alloys		212		21,200	
Machinery and vehicles			3,910		948,300
Power generating machinery, except electric		400		56,000	
Construction and conveying machinery		624		154,000	
Other machinery, except agricultural		2,453		657,200	
Agricultural machinery and implements		300		30,000	
Vehicles		133		51,100	
Chemicals			25,827		4,372,41[illegible]
Coal-tar products		225		22,500	
Chemicals, except coal-tar		2,079		558,434	
Medicinal and pharmaceutical preparations		175		80,080	
Pigments, paints, and varnishes		2,716		549,360	
Fertilizers and fertilizer materials		4,472		53,455	
Explosives, ammunition		3,114		1,200,484	
Miscellaneous chemical products		13,046		1,908,120	
Unclassified			9,729		1,191,316
Musical instruments		241		241,000	
Miscellaneous office supplies		25		2,500	
Miscellaneous		9,463		947,816	
Total shipments, internal	1,153,684	510,112	1,663,796		70,638,745
Total receipts and shipments, internal	1,543,757	1,876,720	3,420,477		135,292,137

NOTE.—The foregoing includes 30 tons animals, 10 tons meat, poultry, and eggs, 2 tons miscellaneous animal products, 80 tons grains and preparations of, 5 tons miscellaneous vegetable products, 5 tons rubber, 5 tons cotton, 35 tons other vegetable fibers, 14,263 tons sawed lumber, 19,762 tons (bulk) coal, 9,370 tons fuel oil, 4,221 tons sand, 7,603 tons gravel, 166 tons iron and steel, 624 tons construction and conveying machinery, 17 tons miscellaneous chemical products, 200 tons unclassified miscellaneous, handled by Government vessels.

Passenger traffic included 178,214 excursion.

It was impracticable to procure average haul or rate per ton-mile.

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PORT OF NEW ORLEANS, LA.—continued.

CARGOES IN TRANSIT.

Cargoes in and out of harbor remaining on board ships consigned to ports beyond.

Commodities.	Amounts in short tons.	Value.
RECEIPTS.		
Cotton seed meal an cake	9,607	$341,048
Fish, canned	280	49,000
Flour, wheat	50	3,712
Glucose	18	833
Rice	93	6,262
Wheat	35,587	1,869,852
Cigarettes	133	84,700
Dyestuff	91	37,173
Rosin	2,107	75,027
Tobacco, leaf	887	400,176
Turpentine	266	36,575
Cotton	26,033	8,981,385
Gunnies	59	7,906
Istle and sisal	810	84,240
Twine	36	7,260
Lumber	10,701	107,010
Lumber manufactures	110	11,000
Logs, timber, piling, etc	20,579	215,000
Staves	906	36,240
Coke	500	7,500
Gasoline and kerosene	7,258	191,626
Oil, lubricating	157	9,420
Paraffin	254	23,241
Petroleum and products	4,234	169,360
Salt	896	17,920
Sulphur	9,184	139,400
Bolts, nuts, washers, etc	88	13,200
Brass, scrap	13	3,250
Iron sheets	109	14,170
Iron and steel	6,326	265,692
Lead and zinc	350	70,000
Nails and wire	578	69,360
Pipe and fittings	968	130,680
Steel plates	985	81,755
Steel sheets	1,112	133,440
Steel rails and railway equipment	14,211	881,082
Tin plate	74	12,672
Machinery	47	9,400
Benzol	2,380	178,500
Caustic soda	15	1,500
Formaldehyde	6	1,800
Indigo	17	42,500
Phosphate rock	53,415	253,721
Sulphate of ammonia	7,673	406,669
Wood alcohol	22	8,514
General cargo, miscellaneous	23,901	7,170,390
Total	243,126	22,661,071
SHIPMENTS.		
Cottonseed meal and cake	9,607	341,048
Fish, canned	280	49,000
Flour, wheat	50	3,712
SHIPMENTS—continued.		
Glucose	18	833
Rice	93	6,262
Wheat	35,587	1,869,852
Cigarettes	133	84,700
Dyestuff	91	37,173
Rosin	2,107	75,027
Tobacco, leaf	887	400,176
Turpentine	266	36,575
Cotton	26,033	8,981,385
Gunnies	59	7,906
Istle and sisal	810	84,240
Twine	36	7,260
Lumber	10,701	107,010
Lumber manufactures	110	11,000
Logs, timber, piling, etc	20,579	215,000
Staves	906	36,240
Coke	500	7,500
Gasoline and kerosene	7,258	191,626
Oil, lubricating	157	9,420
Paraffin	254	23,241
Petroleum and products	4,234	169,360
Salt	896	17,920
Sulphur	9,184	139,400
Bolts, nuts, washers, etc	88	13,200
Brass, scrap	13	3,250
Iron sheets	109	14,170
Iron and steel	6,326	265,692
Lead and zinc	350	70,000
Nails and wire	578	69,360
Pipe and fittings	968	130,680
Steel plates	985	81,755
Steel sheets	1,112	133,440
Steel rails and railway equipment	14,211	881,082
Tin plate	74	12,672
Machinery	47	9,400
Benzol	2,380	178,500
Caustic soda	15	1,500
Formaldehyde	6	1,800
Indigo	17	42,500
Phosphate rock	53,415	253,721
Sulphate of ammonia	7,673	406,669
Wood alcohol	22	8,514
General cargo, miscellaneous	23,901	7,170,300
Total	243,126	22,661,071
Total, remaining on board ships	486,252	45,322,142
Coastwise receipts and shipments of petroleum at Baton Rouge	1,230,971	14,230,971

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PORT OF NEW ORLEANS, LA.—continued.

SUMMARY.

Classes of commodities.	Foreign.			
	Imports.		Exports.	
	Tons.	Value.	Tons.	Value.
Animals and animal products	5,079	$271,439	42,407	$12,233,788
Vegetable food products	1,155,928	70,177,903	2,868,987	157,043,455
Other vegetable products	767	497,593	126,141	29,872,573
Textiles	129,913	18,976,756	335,899	113,321,844
Wood and paper	63,148	1,923,568	588,920	15,054,909
Nonmetallic minerals	3,207,970	11,277,767	2,143,926	60,230,080
Ores, metals and manufactures of	4,692	880,244	225,388	18,067,080
Machinery and vehicles	265	53,070	82,043	11,497,110
Chemicals	95,827	3,942,437	48,217	4,420,027
Unclassified	2,281	2,282,302	3,458	1,175,970
Total	4,665,870	110,283,079	6,465,386	422,926,436

Classes and commodities.	Domestic.				Grand total.	
	Coastwise.		Other domestic.		Tons.	Value
	Tons.	Value.	Tons.	Value.		
Animals and animal products	4,633	$1,780,072	18,869	$5,536,796	70,988	$19,822,095
Vegetable food products	214,057	24,515,572	530,481	43,900,416	4,769,453	295,637,346
Other vegetable products	770	2,730,462	17,879	4,932,010	145,557	38,032,638
Textiles	22,865	6,677,305	127,448	24,855,355	616,125	163,831,260
Wood and paper	58,410	5,711,251	92,850	6,210,938	803,328	28,900,666
Nonmetallic minerals	215,043	5,629,527	2,515,080	30,322,134	8,082,019	107,468,508
Ores, metals, and manufactures of	12,809	982,700	31,340	2,436,314	274,229	22,366,938
Machinery and vehicles	6,144	1,663,660	16,784	4,534,760	105,236	17,748,600
Chemicals	26,309	5,593,147	40,136	9,439,569	210,489	23,395,180
Unclassified	10,263	1,718,970	29,610	3,123,845	45,612	8,301,087
Total	571,303	57,002,666	3,420,477	135,292,137	15,123,036	725,504,318

	Short tons.	Value.
Cargoes in transit:		
Remaining on board ships in and out bound	486,252	$45,322,142
Coastwise receipts and shipments of petroleum at Baton Rouge	1,230,971	14,771,652
Ferry traffic	3,900,832	645,536,109

Vessel classification, 1921.

[Under the columns "American" and "Foreign" are given the totals of entries and clearances. Under the column "Net registered tonnage" is given the net vessel tonnage for the total number of entries and clearances.]

Classes.	American.	Foreign.	Total.	Net registered tonnage
Registered:				
Steamers	2,000	2,350	4,350	10,[illegible],092
Sailing and unrigged	18	35	53	35,398
Coastwise steamers			1,348	4,302,277
Sailing and unrigged			6	3,179
Total entering and clearing	2,018	2,385	5,757	15,193,946

NOTE.—No record of vessels not entering or clearing at customhouse.

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[Reported by Mississippi River Commission.]

FERRY TRAFFIC (RAILROAD CAR FERRY, AND GENERAL FERRY), AT PRINCIPAL PORTS, 1921.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Classes.	Amounts in short tons.	Value.
AT ST. LOUIS, MO.		
Animals and animal products	461	$76,900
Vegetable food products	4,400	880,000
Textiles	8,300	2,075,000
Wood and paper	80	8,000
Nonmetallic minerals	12,700	635,000
Ores, metals, and manufactures of	2,000	100,000
Machinery and vehicles	63,938	12,787,600
Chemicals	400	100,000
Unclassified	268,865	26,886,500
Total (passengers, 100,334)	361,144	43,549,000
AT COMMERCE, MO., CAPE GIRARDEAU, MO., AND EAST CAPE GIRARDEAU, ILL.		
Animals and animal products	1,053	210,600
Vegetable food products	10	2,500
Machinery and vehicles	17,054	3,410,800
Unclassified	8,477	847,700
Total (passengers, 37,665)	26,594	4,471,600
AT CAIRO, ILL., BIRDS POINT, MO., AND WICKLIFFE, KY.		
Animals and animal products	1,021	204,200
Vegetable food products	39,975	5,995,550
Other vegetable products	37	7,400
Textiles	74,700	18,677,500
Wood and paper	722	72,100
Nonmetallic minerals	1,856,391	14,425,500
Ores, metals, and manufactures of	18,005	600,250
Machinery and vehicles	78,526	15,705,200
Chemicals	3,600	1,800,000
Unclassified	272,479	27,247,900
Total (passengers, 94,939)	2,345,456	84,735,600
AT MEMPHIS, TENN., AND PRESIDENTS ISLAND.		
Animals and animal products	922	276,600
Vegetable food products	25	5,000
Textiles	33	13,200
Wood and paper	97	4,850
Machinery and vehicles	2,216	808,000
Unclassified	215	21,500
Total (passengers, 52,171)	3,508	1,129,150
AT HELENA, ARK., EAGLES POINT, MISS., AND TROTTERS POINT, MISS.		
Animals and animal products	2,438	943,980
Vegetable food products	27,003	1,338,382
Other vegetable products	452	434,500
Textiles	3,488	1,374,675
Wood and paper	15,185	178,710
Nonmetallic minerals	67,606	495,960
Ores, metals, and manufactures of	5,903	327,720
Machinery and vehicles	5,421	2,085,010
Chemicals	1,027	109,370
Unclassified	3,992	262,400
Total (passengers, 121,911)	132,515	7,550,707
AT VICKSBURG, MISS., AND DELTA POINT, LA.		
Animals and animal products	1,549	309,800
Vegetable food products	15,369	3,076,300
Other vegetable products	1,909	385,700
Textiles	687	101,750
Wood and paper	8,789	878,900
Nonmetallic minerals	77,977	3,900,350
Ores, metals, and manufactures of	44,560	2,232,000
Machinery and vehicles	20,617	4,123,400
Chemicals	3,447	1,653,500
Unclassified	835,886	83,623,100
Total (passengers, 148,521)	1,010,790	100,284,800

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FERRY TRAFFIC (RAILROAD CAR FERRY, AND GENERAL FERRY), AT PRINCIPAL PORTS, 1921—Continued.

[Navigation season: Jan. 1 to Dec. 31, 1921.]

Classes.	Amounts in short tons.	Value.
AT NATCHEZ, MISS.; VIDALIA, LA.; BATON ROUGE, LA.; POINT COUPEE, LA.; PORT ALLEN, LA.; BAYOU SARA, LA.; PLAQUEMINE, LA.; ANCHORAGE, LA.; ANGOLA, LA.; AND NAPLES, LA.		
Animals and animal products	8,858	$2,157,920
Vegetable food products	597,562	75,436,290
Other vegetable products	22,445	4,317,040
Textiles	81,734	29,156,340
Wood and paper	333,165	41,067,000
Nonmetallic minerals	599,494	72,384,734
Ores, metals, and manufactures of	40,173	3,027,840
Machinery and vehicles	18,420	6,614,320
Chemicals	12,033	7,967,760
Unclassified	273,982	18,392,160
Total (passengers, 632,055)	1,987,866	260,521,404
AT NEW ORLEANS, LA.		
Animals and animal products	10,913	2,182,600
Vegetable food products	69,097	7,422,800
Other vegetable products	25,434	57,486,800
Textiles	1,958	414,950
Wood and paper	247,396	24,739,600
Nonmetallic minerals	549,768	27,488,400
Ores, metals, and manufactures of	2,639	131,950
Machinery and vehicles	399,989	131,249,300
Chemicals	1,690	845,000
Unclassified	2,591,948	393,574,700
Total (passengers, 4,922,855)	3,900,832	645,536,100
Grand total	9,768,705	1,149,057,911
RECAPITULATION OF FOREGOING FERRY TRAFFIC.		
Animals and animal products	27,215	6,632,600
Vegetable food products	753,441	94,156,822
Other vegetable products	50,277	62,631,440
Textiles	170,900	51,813,415
Wood and paper	605,434	66,949,160
Nonmetallic minerals	3,163,936	119,330,034
Ores, metals, and manufactures of	113,280	6,419,760
Machinery and vehicles	606,181	176,783,630
Chemicals	22,197	12,475,630
Unclassified	4,255,844	550,853,960
Total (passengers, 6,110,451)	9,768,705	1,149,057,911

NOTE.—Transfer of empty cars not included in tonnage at railroad transfer points.

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FERRY TRAFFIC (RAILROAD CAR FERRY, AND GENERAL FERRY), AT PRINCIPAL PORTS, 1921—Continued.

Summary of traffic, exclusive of foreign imports and exports.

Classes of commodities.	New Orleans and Baton Rouge, coastwise.		First stretch—St. Louis, Mo., to Cairo, Ill., 191 miles.		Second stretch—Cairo, Ill., to Memphis, Tenn., 227 miles.		Third stretch—Memphis, Tenn., to Vicksburg, Miss., 375 miles.		Fourth stretch—Vicksburg, Miss., to New Orleans, La., 375 miles.		Total.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.
Animals and animal products	4,633	$1,780,072	17,364	$6,762,600	5,814	$1,853,217	11,127	$3,385,854	23,770	$6,650,930	62,708	$20,432,673
Vegetable food products	200,629	23,092,204	234,995	14,366,949	304,605	17,566,461	331,328	19,584,218	596,632	49,182,457	1,668,189	123,792,289
Other vegetable products	14,198	4,153,830	3,393	728,500	2,647	629,404	2,819	649,655	19,040	5,112,480	42,097	11,273,869
Textiles	22,865	6,677,305	94,253	16,155,550	102,487	20,478,253	147,855	26,943,596	159,467	31,307,605	526,927	101,562,309
Wood and paper	58,410	5,711,251	34,792	522,340	116,624	733,080	357,603	1,537,233	152,501	6,913,725	719,930	15,417,629
Nonmetallic minerals	1,446,014	20,401,179	628,240	902,598	323,343	1,446,704	688,097	5,404,150	6,217,617	97,600,408	9,303,311	125,755,039
Ores, metals, and manufactures of	13,523	1,194,044	16,412	1,077,150	15,217	947,170	17,125	1,135,258	35,270	2,817,004	97,547	7,170,626
Machinery and vehicles	6,144	1,663,660	9,470	2,926,800	8,540	2,577,300	26,385	4,735,960	24,753	6,178,571	75,292	18,082,291
Chemicals	25,595	5,381,803	13,971	3,741,050	15,373	4,074,112	19,351	4,367,517	41,878	9,578,079	116,168	27,142,561
Unclassified	10,263	1,718,970	51,260	5,041,975	8,173	1,034,130	28,057	2,911,649	52,407	6,760,120	150,160	17,466,844
Total	1,802,274	71,774,318	1,104,150	52,225,512	902,823	51,339,831	1,629,747	70,655,090	7,323,335	222,101,379	12,762,329	468,096,130
Passengers			[1] 494,924		[2] 124,485		[3] 102,930		[4] 222,338		[5] 944,677	

	Passengers.	Short tons.	Value.
General ferry	5,180,065	859,243	$190,420,105
Car ferry	930,386	8,909,462	948,647,806
Cargoes in transit		243,126	22,661,071
Total	6,110,451	10,011,831	1,161,728,982

[1] Includes 463,407 excursion. [2] Includes 61,270 excursion. [3] Includes 39,893 excursion. [4] Includes 178,214 excursion. [5] Includes 742,784 excursion.

(Mississippi River from St. Louis, Mo., to New Orleans, La., a distance of 1,197 miles, is divided into four stretches. Each stretch is treated as a separate river and some traffic between ports on different stretches appears in the statistics of the intervening stretches, consequently the sum of the traffic in the four stretches is in excess of the total traffic on the river as a whole. Values of commodities handled were not obtained prior to 1920.)

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INDEX.

A.

	Page.
Absecon Creek, N. J	348
Absecon Inlet, N. J	347
Agate Bay Harbor, Minn	884
Alabama River, Ala	674
Alexandria Bay, N. Y	1080
Alexandria, Va	419
Alaska, commerce of	1237
Algoma Harbor, Wis	922
Allegheny River, Pa	863
Pittsburgh Harbor	864
Alloway Creek, N. J	343
Alpena Harbor, Mich	1007
Altamaha River, Ga	569
Ambrose Channel, New York Harbor, N. Y	156
Amite River, La	720
Anacortes Harbor, Wash	1214
Anacostia River, D. C	430
Anahuac Channel, Tex	764
Anclote River, Fla	618
Apalachicola Bay and Harbor, Fla.:	
Channel to St. Andrews Bay	653
Harbor in bay	640
River, including the Cut-off, Lee Slough, and lower Chipola River	642
Apoon Mouth, Yukon River, Alaska	1237
Appomattox River, Va	459
Appoquinimink River, Del	356
Aransas Bay and Pass, Tex.:	
Channel to Corpus Christi (via Turtle Cove)	775
Channel to Pass Cavallo	774
Channel to Victoria (on Guadalupe River)	773
Pass	775
Arcadia Harbor, Mich	963
Arkansas River, Ark. and Okla	815
Arthur Kill, N. Y. and N. J	280
Ashland Harbor, Wis	891
Ashley River, S. C. (Charleston Harbor, S. C.)	535
Ashtabula Harbor, Ohio	1039
Astoria, Oreg	1157
Atchafalaya Bay ship channel	733
Atchafalaya River, La	731

B.

Back Bay of Biloxi, Miss., Biloxi Harbor	709
Baltimore, Md.:	
Engineering district	370
Harbor	370
Baraga Harbor, Mich. (*see* Table No. 6)	11
Barataria Bay, La	721
Bar Harbor, Me	41
Barren River, Ky	879
Bartholomew Bayou, La. and Ark	803
Bastrop Bayou, Tex	770
Baudette Harbor and River, Minn	907
Bay Ridge Channel, New York Harbor, N. Y	165

Digitized by Google

Page.
Bay River, N. C. 487
Bayfield Harbor, Wis. (*see* Table No. 6) 11
Bayou Sara, Ala. 713
Bayside Channel, New York Harbor, N. Y. 156
Beaufort Harbor and River, N. C.:
Harbor 499
Waterway to Core Sound 501
Waterway to Jacksonville, N. C. 503
Waterway to New River 503
Beaufort Inlet, N. C.:
Inlet 508
Waterway to Norfolk, Va. 467
Waterway to Pamlico Sound 482
Beaufort, S. C., waterway to St. Johns River, Fla. 557
Beaumont, Tex. 787
Bellingham Bay and Harbor, Wash. 1217
Beverly Harbor, Mass. 57
Big Sandy River, W. Va. and Ky., including Tug and Levisa Forks 874
Big Sunflower River, Miss. 811-813
Big Thoroughfare River, Md. 416
Biloxi Harbor, Miss. 709
Biscayne Bay, Fla. (Miami) 600
Blackfish Bayou, Ark. 820
Black Lake, Holland Harbor, Mich. 944
Black River, Ark. and Mo. 818
Black River, Ark. and La. 798
Black River, Lorain, Ohio 1033
Black River at Port Huron, Mich. 1013
Black River, N. C. 521
Black River, S. C. 544
Black Rock Harbor and Channel, N. Y. 1055
Black Rock Canal, N. Y. 1060
Black Warrior River, Ala. 696
Blackwater River, Fla. 665
Blackwater River, Va. 470
Blaine Harbor, Wash. 1221
Block Island, R. I.:
Great Salt Pond 98
Harbor of Refuge 97
Blood River, La. 719
Boca Ceiga Bay, Fla. 617
Boeuf River, La. 802
Bogue Falia, La. 717
Bogues Bay, Va. 368
Boston, Mass.:
Engineering district 39
Harbor and port 60
Chelsea Creek 68
Dorchester Bay 75
Fort Point Channel 73
Island End River 71
Malden River 72
Mystic River 69
Neponset River 76
Weymouth Back River 79
Weymouth Fore River 77
Branford Harbor, Conn. 108
Brazos Island Harbor, Tex. 780
Brazos River Canal, Tex. 771
Brazos River, Tex.:
Channel to Matagorda Bay 772
Mouth 772
Old Washington to Waco 794
Velasco to Old Washington 777
Bridgeport Harbor, Conn. 114
Bristol Harbor, R. I. 124
Broad Creek, Md. 413

Digitized by Google

Page.
Broad Creek River, Del. 405
Broadkill River, Del. 365
Bronx River, N. Y. 138
Browns Creek, N. Y. 151
Brunswick Harbor, Ga. 575
Buffalo Bayou, Tex., waterway to Houston 757
Buffalo, N. Y.:
  Engineering district 1025
  Black Rock Channel and Tonawanda Harbor 1055
  Buffalo Harbor 1050
Bulk freight at ports 29
Burlington Harbor, Vt. 245
Buttermilk Channel, New York Harbor 216

C.

Calcasieu Pass and River, La. 741
Calcasieu River to Sabine River, La. 735
Calcite, Mich. 1006
Caloosahatchee River, Fla. 609
Calumet Harbor and River, Ill. and Ind.:
  Harbor (South Chicago Harbor) 974
  River 974-976
Cambridge Harbor, Md. 400
Camden, N. J. 331
Canals and connecting channels, summaries of commerce 2, 24, 28
Canals:
  See also Waterways.
  Black Rock Canal, N. Y. 1060
  Cascades Canal, Columbia River 1146
  Chesapeake and Delaware Canal, Del. and Md. 355
  Colbert Shoals Canal, Ala. 849
  Dalles-Celilo Canal, Oreg. and Wash. 1148
  Des Moines Rapids Canal, Mississippi River 823
  Estherville, Minim Canal 531
  Illinois and Mississippi Canal, Ill. 825
  Lake Washington Ship Canal, Wash. 1207
  Muscle Shoals Canal, Ala. 852
  New York State Barge Canal 1052, 1057, 1070
  Port Arthur Canal, Tex. 782
  Sabine-Neches Canal 785
  St. Clair Flats Canal, Mich. 1016, 1017
  St. Marys Falls Canal, Mich. 980
  Sturgeon Bay and Lake Michigan Canal, Wis. 919
  West Galveston Bay nad Brazos River Canal, Tex. 771
  Willamette Falls Canal, Oreg. 1175
Cannes, des, Bayou, La. 738
Cape Charles City Harbor, Va. 475
Cape Fear River, N. C.:
  Above Wilmington 517
  At and below Wilmington 509
  Northeast Branch 519
Cape Lookout Harbor of Refuge 509
Cape May, N. J. (Cold Spring Inlet, N. J.) 346
Cape Vincent Harbor, N. Y. 1071
Cargoes in transit:
  Ports 14
  Rivers, Canals, etc. 26
Carquinez Strait, Calif. (*see* San Pablo Bay) 1109
Carrabelle Harbor, Fla. 637
Carters Creek, Va. 432
Cascades Canal, Columbia River, Oreg. 1146
Cavallo Pass, Tex.:
  Channel to Aransas Pass 774
  Channel to Port Lavaca 773
Cedar Bayou, Tex. 767
Cedar Bay to Thoroughfare Bay, N. C. 497

Digitized by Google

Page.
Celilo Falls, Columbia River 1148
Cement 32
Champlain Lake, N. Y. and Vt.:
Burlington Harbor, Vt 245
Narrows 243
Plattsburg Harbor, N. Y 247
Port Henry Harbor, N. Y 248
Channel between Staten Island and Hoffman and Swinburne Islands 156
Channel north of Shooters Island between New York and New Jersey 298
Charleston, S. C.:
Engineering district 525
Harbor (*see* Ashley River, S. C.) 535
Waterway to Winyah Bay 533
Charlevoix Harbor, Mich 959
Charlotte Harbor, Fla 613
Charlotte Harbor, N. Y 1063
Chattahooche River, Ga. and Ala 650
Chattanooga, Tenn., engineering district 843
Cheboygan Harbor, Mich 1004
Cheesequake Creek, N. J 306
Chefuncte River, La 717
Chehalis River, Wash 1231
Chelsea Creek, Boston Harbor, Mass 68
Chesapeake and Delaware Canal 355
Chester River, Md 386
Chester River, Pa 352
Chicago, Ill.:
Engineering district 970
Harbor (*see also* Calumet Harbor, Ill.) 971
River 971–973
Chickasaw Creek, Ala 715
Chincoteague Inlet and Bay, Va.:
Waterway on coast of Virginia 368
Waterway to Delaware Bay 367
Chipola River, Fla.:
Lower river 642
Upper river 645
Chocolate Bayou, Tex 769
Choctawhatchee Bay, Fla 679
Choctawhatchee River, Fla. and Ala 660
Choptank River, Md 396
Christiana River (Wilmington Harbor), Del 353
Cincinnati, Ohio:
Second engineering district 872
Claiborne Harbor, Md 390
Clatskanie River, Oreg 1164
Clayton, N. Y 1078
Clear Creek, Tex 768
Clearwater Harbor, Fla. (channel to Tampa Bay) 617
Cleveland Harbor, Ohio 1035
Clinch River, Tenn 851
Clinton River, Mich 1017
Coal 32
Coeur D'Alene Lake, Idaho 1235
Cohansey River, N. J 344
Colbert Shoals Canal, Tennessee River, Ala 849
Cold Spring Inlet, N. J 346
Coldwater River, Miss 810
Columbia River, Oreg. and Wash.:
Cascades Canal 1146
Celilo Falls to Snake River, including tributaries 1148
Dalles-Celilo Canal 1148
Mouth 1157
Mouth to Willamette River 1157
Threemile Rapids 1148
Vancouver to The Dalles, Wash 1150
Wenatchee, Wash., to Kettle Falls 1220

Digitized by Google

Commerce of the United States. (*See* index to Contents.) Page.
Commodities, principal 31
Compton Creek, N. J 310
Conecuh River, Ala 668
Coney Island Channel, New York Harbor, N. Y 164
Coney Island Creek, N. Y 249
Congaree River, S. C 533
Conneaut Harbor, Ohio 1041
Connecticut River, Mass and Conn.:
Below Hartford, Conn 106
Connecting channels. (*See* Waterways.)
Contentnea Creek, N. C 495
Cooper River (Creek), N. J 336
Coosa River, Ga. and Ala 677
Coos Bay, Harbor and River, Oreg.:
Entrance to bay and harbor 1154
River 1139
Copper 33
Coquille River, Oreg 1137
Core Sound, N. C., waterway to Beaufort Harbor 501
Corney Bayou, La 804
Cornucopia Harbor, Wis. (*see* Table No. 6) 11
Corpus Christi to Galveston, Tex., waterway:
Aransas Pass-Corpus Christi Channel 775
Brazos River-Matagorda Bay Channel 772
Guadalupe River to Victoria, Tex 773
Pass Cavallo-Aransas Pass Channel 774
West Galveston Bay-Brazos River Canal 771
Corsica River, Md 388
Cos Cob Harbor, Conn 124
Cotton 33
Cowhead River, Ga 557
Cowlitz River, Wash 1170
Crescent City Harbor, Calif 1123
Crescent Lake and Dunns Creek, Fla 595
Crisfield Harbor, Md 411
Crystal River, Fla 619
Cumberland River, Ky. and Tenn.:
Above Nashville 835
Below Nashville 832
Cumberland Sound, Ga. and Fla 581
Waterway between Savannah and Fernandina 581
Waterways to St. Johns River, Fla 557
Current River, Ark. and Mo 819
Cutchogue Harbor, N. Y 257
Cypress Bayou, Tex. and La 796

D.

Dalles-Celilo Canal, Oreg. and Wash 1148
D'Arbonne Bayou, La 804
Darien Harbor, Ga 562
Deal Island, Md., Lower Thoroughfare at Wenona 409
Deep Bay, N. C 481
Delaware Bay and River, Pa., N. J., and Del.:
At Trenton 315
Harbor of refuge in bay 335
Near Lewes, Del 335
Philadelphia to the sea 317
Philadelphia to Trenton 315
Philadelphia and Camden Harbors 317, 331
Waterway to Chincoteague Bay 367
Waterway to Rehoboth Bay 366
Depere, Wis. (Green Bay Harbor) 916
Des Cannes Bayou, La 738
Des Moines Rapids Canal, Mississippi River 823
Detroit, Mich.:
Engineering district 980
Harbor 1017

Digitized by Google

Page.
Detroit River, Mich 1020
Dickinson Bayou, Tex 769
Dismal Swamp Canal 467
Districts, engineering 39
Dobbs Ferry, N. Y 267
Dorchester Bay, Mass 75
Double Bayou, Tex 762
Duck Island Harbor, Conn., harbor of refuge 108
Duluth, Minn.:
Duluth-Superior Harbor 886
Engineering district 882
Dunkirk Harbor, N. Y 1049
Dunns Creek and Crescent Lake, Fla 595
Duwamish River, Wash.:
East and west waterways, Seattle Harbor 1198
Puget Sound and tributaries 1185

E.

East Bay Bayou, Tex 762
East Chester Creek, N. Y 135
East Pearl River, Miss 710
East River, N. Y 180
Echo Bay Harbor (*see* New Rochelle N. Y.) 132
Elizabeth River, N. J 294
Elk River, Md 385
Engineering districts 39
Erie Canal 1052, 1070
Erie Harbor, Pa 1046
Escambia Bay, Fla 681
Escambia River, Fla 668
Escanaba Harbor, Mich 967
Estherville-Minim Creek, S. C 531
Everett Harbor, Wash 1227

F.

Fairhaven Harbor, Mass 83
Fairport Harbor, Ohio 1038
Falia, Bogue, La 717
Fall River Harbor, Mass. (*see also* Taunton River, Mass.) 85
Fancy Bluff Creek, Ga 564
Feather River, Calif 1136
Fernandina, Fla.:
Harbor 581
Waterway to Savannah, Ga 557
Ferry traffic 14, 26
Fertilizer 34
Fishing Creek, N. C 485
Fivemile River Harbor, Conn 127
Flathead Lake, Mont 1234
Flint River, Ga 647
Florence, Ala., engineering district 852
Flushing Bay, N. Y 140
Fore (Weymouth) River, Mass 77
Fort Point Channel, Boston Harbor, Mass 73
Fort Pond Bay, N. Y 258
Fort Slocum, N. Y 265
Fox River, Wis 917
Frankfort Harbor, Mich 956
Franklin, La.:
Vermilion River to Schooner Bayou, La 734
Waterway to Mermentau 733
Freeport Harbor Tex, ... 776
French Broad River, Tenn 850
Front River, Ga. (Sapelo Harbor) 560

Digitized by Google

G.

Page.
Galena River, Ill. 824
Galveston Bay and Harbor, Tex.:
Channel across Hanna Reef, Ladies Pass. 762
Galveston Channel. 743
Galveston-Texas City Channel. 752
Harbor entrance. 743
Port Bolivar Channel. 756
Waterway to Houston. 757
West Bay. 771
Galveston, Tex., engineering district. 743
Gardiners Bay, N. Y. 252
Gary, Ind. (*see* Table No. 6). 12
Gasconade River, Mo. 831
Gedney Channel, New York Harbor. 156
Georges River, Me. 45
Georgetown Harbor, S. C. 531
Gladstone Harbor, Mich. 965
Gloucester Harbor, Mass. 55
Gowanus Creek Channel, New York Harbor, N. Y. 175
Grain, including flour. 34
Grand Haven Harbor, Mich. 945
Grand Marais, Mich., harbor of refuge. 902
Grand Marais, Minn. 882
Grand Portage Harbor, Minn. (*see* Table No. 6). 11
Grand Rapids, Wabash River, Ind. 879
Grand River, La. 726
Grand River, Mich. 948
Gravel and sand. 37
Gravesend Bay, N. Y. 221
Grays Harbor, Wash.:
Between Aberdeen and the entrance. 1182
Entrance. 1180
Grays River, Wash. 1173
Great Lakes, commercial statistics, 1921 (*see* Index). III, 1
Great Pedee River, S. C. 530
Great Salt Pond, Block Island, R. I. 98
Great Sodus Bay, N. Y. 1066
Great South Bay, N. Y. 149
Green Bay Harbor, Wis. 914
Greenport Harbor, N. Y. 254
Green River, Ky. 879
Greenwich Harbor, Conn. 120
Grosstete Bayou, La. 727
Guadalupe River, Tex. (Victoria to Aransas Pass-Pass Cavallo Channel). 773
Gulfport Harbor, Miss. 706

H.

Hackensack River, N. J. 278
Hales Bar Lock and Dam, Tennessee River. 848
Hanna Reef, Ladies Pass, Tex. 762
Harbor Beach, Mich., harbor of refuge. 1010
Harbor Island Harbor, Tex. 775
Harlem (Bronx) Kills, N. Y. 198
Harlem River, N. Y. 198
Hastings, N. Y. 263
Havre de Grace, Md., Susquehanna River at. 383
Hawaiian Islands:
Hilo Harbor. 1251
Honolulu Harbor. 1242
Kahului Harbor. 1248
Nawiliwili Harbor. 1255
Hawaii engineering district. 1242
Hell Gate, East River, N. Y. 180
Hempstead Harbor (north shore of Long Island), N. Y. 142
Hennepin Canal (Illinois and Mississippi Canal), Ill. 825
Hillsboro Bay, Fla. 625

Digitized by Google

Page.
Hillsboro River, Fla. 630
Hilo Harbor, Hawaii 1251
Hiwassee River, Tenn 851
Holland Harbor, Mich 944
Holmes River, Fla 662
Honolulu, Hawaii, district 1242
Harbor 1242
Hoquiam River, Wash 1183
Horn Island Harbor and Pass, Miss 704
Housatonic River, Conn 113
Houston to Galveston ship channel, Tex 757
Hudson River, N. Y 203, 233, 237
Above New York—
Middle Section, Tarrytown to Hudson 237
Upper Section, Hudson to Waterford 233
At New York 203
Peekskill Harbor 226
Rondout Harbor 232
Saugerties Harbor 229
Tarrytown Harbor 225
Troy Lock and Dam 242
Humboldt Bay and Harbor, Calif 1121
Humptulips River, Wash 1234
Huntington Bay, N. Y 145
Huntington Harbor, N. Y 143
Huron Harbor, Ohio 1030

I.

Illinois and Mississippi Canal, Ill 825
Illinois River, Ill 970
Kampsville Lock 979
La Grange Lock 978
Index to Contents III
Indiana Harbor, Ind 976
Indian River, Fla 599
Inland waterways. (*See* Canals and waterways.)
Inside routes. (*See* Canals and waterways.)
Iron and steel 35
Iron ore 35
Irvington, N. Y 266
Island End River, Mass 71

J.

Jacksonville, Fla.:
Engineering district 584
St. Johns River opposite 584
Jacksonville, N. C.: Waterway to Beaufort 503
Jamaica Bay, N. Y 152
James River, Va 456
Jefferson-Shreveport waterway, La. and Tex 796
Johnsons Bayou, La 792
Jordan River, Miss 710
Judith Point, R. I., harbor of refuge 96
Juneau, Alaska, engineering district 1237

K.

Kahului Harbor, Hawaii 1248
Kalamazoo River, Mich 942
Kampsville Lock and Dam, Illinois River, Ill 979
Kanawha River, W. Va 869
Kansas City, Mo., engineering district 828
Kelleys Island, Ohio 1044
Kennebec River, Me 46
Kenosha Harbor, Wis 936
Kentucky River, Ky 876
Koekuk (Des Moines Rapids) Canal and Dry Dock, Mississippi River 823

Digitized by Google

Page.
Kewaunee Harbor, Wis. 928
Keweenaw Canal, across Keweenaw Point, Mich., Keweenaw Bay-Lake Superior waterway 895
Keyport Harbor, N. J. 307
Keystone Lock, Bayou Teche, La. 730
Key West Harbor, Fla. 603
Kiamichi River, Okla. 795
Kill Van Kull, N. Y. and N. J., Staten Island-New Jersey channels 288
Kingston Harbor, Mass. 81
Kootenai River, Idaho and Montana 1236
Kissimmee River, Fla. 608

L.

L'Anguille River, Ark. 820
L'Anse Harbor, Mich. (*see* Table No. 6) 11
Lafourche Bayou, La. 723
La Grange Bayou, Fla. 683
Lagrange Lock and Dam, Illinois River, Ill. 978
Lake Champlain:
Burlington, Vt. 245
Narrows of 243
Plattsburg, N. Y. 247
Port Henry, N. Y. 248
Rouses Point, N. Y. 269
Lake Crescent and Dunns Creek, Fla. 595
Lake Harney, Fla. 593
Lake of the Woods, Minn. (Zippel Bay) 905
Lake Pontchartrain, La. 715
Lakes, Great (*see* index to Contents) III
Lake St. Clair, Mich., channels in 1016
Lake Traverse, Minn. and S. Dak. 827
Lake Washington Ship Canal, Wash. 1207
Lake Washington, Miss. 812
La Trappe River, Md. 395
Lavaca Bay, Tex., channel from Pass Cavallo to Port Lavaca 773
Leech River, Minn., including upper Mississippi River 1262
Lee Slough, Apalachicola River, Fla. 642
Leipsic River, Del. 358
Levisa Fork, Big Sandy River, Ky. 874
Lewis River, Wash. 1168
Lewiston Harbor, N. Y. 1085
Little Elk River, Md. 385
Little Kanawha River, W. Va. 867
Little Pigeon River, Tenn. 850
Little River, Del. 360
Little Sarasota Bay, Fla. 615
Little Sodus Bay, N. Y. 1067
Long Beach Harbor, Calif. 1090
Lorain Harbor, Ohio 1033
Los Angeles, Calif.:
Engineering district 1086
Harbor 1090
Louisville, Ky., engineering district 879
Lower Cedar Point, Md. 431
Lower Chipola River, Fla. 642
Lower Thoroughfare, Wenona, Deal Island, Md. 409
Ludington Harbor, Mich. 952
Lumber 36
Lynn Harbor, Mass. 59

M.

McClellanville, S. C., waterway to Charleston 533
Mackinac Harbor, Mich. 1003
Macon Bayou, La. 800
Main Ship Channel, New York Harbor, N. Y. 156

Digitized by Google

Page.
Malden River, Mass. 72
Mamaroneck Harbor, N. Y. 130
Manatee River, Fla. 634
Manchac Bayou, La. 720
Manchac Pass, La. 718
Manhassett Bay, N. Y. 223
Manistee Harbor and River, Mich. 955
Manistique Harbor, Mich. 909
Manitowoc Harbor, Wis. 926
Manteo Bay, N. C. 478
Mantua Creek, N. J. 338
Marblehead, Ohio 1045
Marcus Hook, Pa. 335
Mare Island Strait, Calif. 1109
Marinette Harbor, Wis. 911
Marquette Bay, Mich., harbor of refuge 899
Marquette Harbor, Mich. 901
Matagorda Bay, Tex.:
Channel from Pass Cavallo to Aransas Pass 774
Channel to Brazos River 772
Matawan Creek, N. J. 309
Mattaponi River, Va. 426
Mattituck Harbor, N. Y. 148
Maumee Bay and River, Ohio (Toledo Harbor) 1023
Maurice River, N. J. 345
Meherrin River, N. C. 471
Memphis, Tenn., engineering district 815
Memphis Harbor, Tenn. 1288
Menominee Harbor and River, Mich. and Wis. 911
Mermentau River, La.:
Including tributaries 738
Waterway from Vermilion River to Schooner Bayou 734
Waterway to Franklin 733
Waterway to Sabine River 735
Merrimack River, Mass. 54
Miami Harbor, Fla. 600
Michigan City Harbor, Ind. 977
Michigan, Lake, Canal to Sturgeon Bay 919
Milford Harbor, Conn. 111
Mill Creek or River, New Haven Harbor, Conn. 109
Milwaukee, Wis.:
Engineering district 909
Milwaukee Harbor 931
Minim Creek-Estherville Canal, S. C. 531
Minnesota River, Minn. 827
Mispillion River, Del. 364
Mississippi River 1261
Baton Rouge, La. 1291
St. Louis to Cairo 1272
Cairo to Memphis 1275
Memphis to Vicksburg 1278
Vicksburg to New Orleans 1282
Brainerd to Grand Rapids 1263
Ferry traffic at principal ports 1303
Keokuk, Iowa, Lock 1268
Leech and Mississippi Rivers 1262
St. Louis, Mo. 1285
St. Paul to Minneapolis 1263
Minneapolis to Missouri River 1264
Missouri River to Ohio River 1269
Memphis Harbor, Tenn. 1288
Passes of Mississippi River 1292
Waterway to Bayou Teche, La. 733
Waterway to Sabine River 735
Illinois and Mississippi Canal 825
Moline, Ill., lock and dam 1268
Vicksburg, Miss. 1290

Digitized by Google

Page.
Mississippi River—Continued.
New Orleans, La. 1292
Reservoir at headwaters 826
Twin City lock and dam 826
Mississippi River Commission 1272
Mississippi Sound, Miss. and Ala.:
Channel to Mobile Bay 695
Gulfport-Ship Island Channel and Ship Island Pass 706
Horn Island, Harbor 704
Horn Island Pass, Miss 704
Missouri River:
Kansas City to mouth 828
Kansas City to Sioux City 829
Sioux City to Fort Benton 830
Mobile, Ala., engineering district 686
Mobile Bay and Harbor, Ala.:
Channel to Mississippi Sound 695
Harbor and Bar 686
Mobile River, Ala., tributaries:
Bayou Sara 713
Chickasaw Creek 715
One Mile Creek 713
Three Mile Creek 714
Mokelumne River, Calif 1128
Monongahela River, W. Va. and Pa 860
Pittsburgh Harbor 864
Monroe Harbor, Mich 1022
Monterey Harbor, Calif 1120
Montgomery, Ala., engineering district 637
Morehead City Harbor, N. C 506
Morgan City, La 731
Morgantown, Md 431
Morristown Harbor, N. Y 1082
Munising Harbor, Mich. (*see* Table No. 6) 11
Murderkill River, Del 362
Muscle Shoals Canal, Tennessee River, Ala 852
Muskegon Harbor and River, Mich 949
Muskingum River, Ohio 872
Mystic River, Conn 102
Mystic River, Mass 69

N.

Nansemond River, Va 462
Nanticoke River, Del. and Md 403
Nantucket Harbor, Mass 82
Nantucket Sound, Mass. (Pollock Rip Channel) 82
Napa River, Calif 1114
Napeague Harbor, N. Y 269
Narrows of Lake Champlain, N. Y. and Vt 243
Narrows in Santa Rosa Sound, Fla 663
Nasel River, Wash 1233
Nashville, Tenn., engineering district 832
Natalbany River, La 719
Nawiliwili Harbor, Hawaii 1255
Neches River, Tex 787
Neches-Sabine Canal 785
Nehalem Bar and Bay, Oreg 1144
Neponset River, Mass 76
Neuse River, N. C 489
Newark Bay, N. Y. and N. J. (*see also* Passaic River, N. J.) 272
New Bedford Harbor, Mass 83
Newbegun Creek, N. C 474
Newburyport Harbor, Mass 53
New Haven Harbor, Conn 109
New London Harbor, Conn 103
New Orleans, La.:
Engineering district 715
Harbor 1292

Digitized by Google

Page.
Newport Harbor, R. I. 89
Newport News, Va., channels to 450
New River, N. C., waterways to Swansboro and Beaufort 503
New Rochelle, N. Y. (*see* Echo Bay Harbor) 133
Newtown Creek, N. Y. 194
New Whatcom (Bellingham) Harbor, Wash. 1217
New York Barge Canal 1052, 1057, 1070
New York Bay and Harbor, N. Y. 156
Ambrose Channel 156
Arthur Kill 280
Bay Ridge Channel 165
Bayside Channel 156
Bronx River 138
Buttermilk Channel 216
Coney Island Channel 164
East Chester Creek 135
East River 180
Flushing Bay 140
Gedney Channel 156
Gowanus Creek Channel 175
Gravesend Bay 221
Harlem River 198
Hell Gate, East River 180
Hudson River Channel 203
Kill Van Kull 288
Main Ship Channel 156
Narrows to the Sea 156
New Jersey-Staten Island Channels 280
Newtown Creek, N. Y. 194
North (Hudson) River 203
Raritan Bay, N. J. 298
Raritan River, N. J. 301
Red Hook Channel 165
Shooters Island Channel 298
Spuyten Duyvil Creek 198
Staten Island-New Jersey Channels 288
Staten Island Sound 280
Wallabout Channel 191
New York engineering districts:
First 128
Second 272
Nezpique Bayou, La. 738
Niagara River, N. Y. 1059
Black Rock Channel and Tonawanda Harbor 1055
Buffalo Harbor 1050
Nome Harbor, Alaska 1238
Nomini Creek, Va. 436
Nooksak River, Wash., Puget Sound and tributaries 1185
Norfolk Harbor, Va.:
Main channel of Elizabeth River, and portions of Southern, Eastern, and Western Branches 437
Channels to Newport News 450
Thimble Shoal Channel 450
Waterway to Beaufort Inlet 467
Waterway to sounds of North Carolina (to Pamlico Sound) via Pasquotank River 465
Norfolk, Va., engineering district 437
North Carolina Sounds, waterway to Norfolk, Va. 465
Northeast River, N. C. 519
North (Hudson) River, N. Y. 203
Norwalk Harbor, Conn. 117

O.

Oak Bay to Port Townsend Bay, Wash., waterway 1226
Oakland Harbor, Calif. 1105
Occoquan Creek, Va. 421

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Page.
Ocmulgee River, Ga. 573
Oconee River, Ga. 572
Oconto Harbor, Wis. 913
Ogdensburg Harbor, N. Y. 1074
Ohio River 855
Pittsburgh Harbor, Pa. 864
Oklawaha River, Fla. 597
Oldmans Creek, N. J. 340
Olympia Harbor, Wash. 1190
Onancock River, Va. 464
One Mile Creek, Ala. 713
Ontonagon Harbor and River, Mich. 893
Orange River, Fla. 612
Orange, Tex. 790
Orient Harbor, N. Y. 259
Osage River, Mo. 830
Oswego Harbor, N. Y. 1069
Otter Creek, Vt. 271
Ouachita River, Ark. and La. 798, 806, 807
Oyster Bay, N. Y. 224
Oyster Creek, Tex. 770

P.

Package freight at ports 29
Pagan River, Va. 460
Palatka to Jacksonville, Fla. 590
Palatka to Lake Harney, Fla. 593
Pamlico River, N. C. 482
Pamlico Sound, N. C.:
Waterway to Beaufort Inlet 482
Waterway to Norfolk, Va. 465
Pamunkey River, Va. 427
Pascagoula Harbor, Miss. 704
Pascagoula River, Miss. 708
Passaic River, N. J. (*see also* Newark Bay, N. J.) 275
Pass Cavallo, Tex.:
Channel to Aransas Pass 774
Channel to Port Lavaca 773
Pass Manchac, La. 718
Passengers carried by water 30
Patapsco River, Md. (Baltimore Harbor and Channels) 370
Patuxent River, Md. 434
Pawcatuck River, R. I. and Conn. 99
Pawtucket (Seekonk) River, R. I. 95
Pearl River, Miss. 712
Peconic Bay, N. Y. 251
Peedee, Great, River, S. C. 530
Peekskill Harbor, N. Y. 226
Pend O'Reille Lake, Idaho 1234
Pend O'Reille River, Wash. 1233
Penobscot River, Me. 42
Pensacola Harbor, Fla. 669
Pentwater Harbor, Mich. 964
Pepperells Cove, Me. (Portsmouth, N. H.) 52
Pequaming Harbor, Mich. (*see* Table No. 6) 11
Perdido Bay, Fla. 683
Petaluma Creek, Calif. 1115
Petersburg Harbor, Fla. 635
Petoskey Harbor, Mich. 960
Petroleum 36
Philadelphia, Pa.:
Engineering district 315
Delaware River at 315–317
Schuylkill River 331
Piankatank River, Va. 435
Pigeon Bayou, La. 726

Digitized by Google

Page.
Pittsburgh, Pa.:
Engineering district 860
Harbor 864
Plaquemine Bayou, La 726, 729
Plaquemine Brule Bayou, La 740
Plattsburg Harbor, N. Y 247
Plymouth Harbor, Mass 80
Pocomoke River, Md 414
Point Judith, harbor of refuge 96
Pollock Rip Channel, Mass 82
Ponchatoula River, La 719
Pontchartrain Lake, La 715
Portage Lake, Manistee County, Mich., harbor of refuge 962
Port Aransas, Tex 778
Port Angeles, Wash 1223
Port Arthur, Tex 782
Port Arthur Canal, Tex 782
Port Bolivar, Tex 756
Port Chester Harbor, N. Y 128
Port Clinton Harbor, Ohio 1025
Port Gamble Harbor, Wash 1188
Port Henry Harbor, N. Y 248
Port Huron, Mich., Black River and St. Clair River at 1013
Port Jefferson Harbor, N. Y 146
Portland Harbor, Me 47
Portland, Oreg.:
Columbia and Willamette Rivers 1157
First engineering district 1137
Second engineering district 1157
Portland, Oreg 1157
Port Lavaca, Tex., channel to Pass Cavallo 773
Port Ludlow, Wash 1229
Porto Rico:
Engineering district 1256
San Juan Harbor 1256
Port Tampa, Fla 621
Port Townsend Harbor, Wash 1187
Ports, summary of commerce:
Atlantic coast 1, 3, 5, 14, 27
Gulf coast 1, 3, 8, 14, 27
Pacific coast 1, 3, 9, 14, 27
Great Lakes 1, 3, 11, 14, 27
Package freight 29
Port Townsend Bay to Oak Bay, Wash., waterway 1226
Port Washington Harbor, Wis 930
Port Wing Harbor, Wis 889
Portsmouth Harbor, N. H 52
Potomac River, Md., Va., and D. C.:
At Alexandria, Va 419
At Lower Cedar Point, Md 431
At Washington, D. C 418
Priest River, Idaho 1234
Principal commodities of traffic 31
Providence Harbor and River, R. I 91
Providence, R. I., engineering district 82
Puget Sound, Wash 1185
Pulpwood 37
Put in Bay, Ohio 1043
Puyallup River, Wash.:
Puget Sound and tributaries 1185
Tacoma Harbor 1192

Q.

Queenstown Harbor, Md 389
Queue de Tortue Bayou, La 739
Quinnipiac River, New Haven, Conn 109

Digitized by Google

R.

Page.
Raccoon Creek, N. J. 339
Racine Harbor, Wis. 935
Rappahannock River, Va. 423
Raritan Bay, N. J. 298
Raritan River, N. J. 301
Red Hook Channel, New York Harbor, N. Y. 165
Red Lake and Red Lake River, Minn. 827
Red River, La., Ark., Tex., and Okla.:
Above Fulton, Ark., to mouth of Washita River 794-795
Below Fulton, Ark. 797
Jefferson-Shreveport waterway 796
Red River of the North, Minn. and N. Dak. 827
Redwood Creek, Calif. 1104
Rehoboth Bay, Del., waterway to Delaware Bay 366
Richmond Harbor, Calif. 1108
Richmond Outer Harbor, Calif. 1108
Richmond Harbor, Va. (James River) 456
Rivers, summary of commerce:
Atlantic coast 2, 4, 16, 28
Gulf of Mexico 2, 4, 19, 28
Mississippi River and tributaries 2, 4, 21, 28
Pacific coast 2, 4, 22, 28
Interior and other waterways 2, 4, 23, 28
Roanoke River, N. C. 473
Rock Island, Ill., engineering district 823
Rockland Harbor, Me. 43
Rogers City Harbor, Mich. 1006
Rondout Harbor, N. Y. 232
Rouge River, Mich. 1021
Rough River, Ky. 882
Rouses Point, N. Y. 269
Rye, N Y 270

S.

Sabine-Neches Canal 785
Sabine River, Tex. 790
Sabine-Neches Canal 785
Sabine Pass Harbor 780
Waterway to Calcasieu River, La. 795
Saco River, Me. 51
Sacramento River, Calif. 1130
Sag Harbor, N. Y. 253
Saginaw River, Mich. 1009
St. Andrews Bay, Fla., channel to Apalachicola River 653, 656
St. Clair Flats Canal, Lake, and River, Mich.:
Channels in Lake St. Clair 1016
River 1016
At Port Huron 1013
St. Croix River, Me. 39
St. Croix River, Wis. and Minn. 826
St. Francis River, Ark. 820
St. George Sound, Fla. (Carrabelle Harbor) 637
St. Joe River, Idaho 1235
St. Johns River, Fla.:
At Jacksonville 584
Between Jacksonville and Palatka, including Orange Mills Flats and Deep Creek 590
Jacksonville to the ocean 584
Palatka to Lake Harney 593
St. Andrews Bay 656
Waterway to Beaufort, S. C. 557
Waterway to Cumberland Sound 581
St. Jones River, Del. 361
St. Joseph Bay, Fla. 655
St. Joseph Harbor and River, Mich.:
Harbor 939
River 940

Digitized by Google

Page.
St. Louis, Mo., engineering district 823
St. Louis, Mo 1285
St. Lucie Inlet, Fla 600
St. Marks River, Fla 685
St. Marys River and St. Marys Falls Canal, Mich 980
St. Marys River, Ga. and Fla 567
St. Paul, Minn., engineering district 826
St. Petersburg Harbor, Fla 635
Sakonnet River, R. I 126
Salem Harbor, Mass 58
Salem River, N. J 342
Saline River, Ark 804
Sand and gravel 37
Sandbeach (Harbor Beach), Mich., harbor of refuge 1010
San Diego Harbor, Calif 1086
Sandusky Harbor, Ohio 1027
San Francisco Bay and Harbor, Calif.:
Engineering districts—
First 1099
Second 1124
Harbor 1099
San Joaquin River, Calif 1124
Stockton and Mormon Channels 1124
San Juan Harbor, P. R 1256
San Luis Obispo Harbor, Calif 1097
San Pablo Bay, Calif 1109
San Pedro Bay and Harbor, Calif 1090
San Rafael Creek, Calif 1119
Santa Rosa Sound, Fla 663
Santee River, S. C 531
Sapelo Bar and Harbor, Ga 560
Sarasota Bay, Fla 615
Satilla River, Ga 565
Saugatuck Harbor, Mich 942
Saugatuck River, Conn 116
Saugerties Harbor, N. Y 229
Sault Ste. Marie, Mich 1001
Savannah, Ga., engineering district 546
Savannah Harbor and River, Ga.:
Harbor 546
River above Augusta 556
River below Augusta 555
Waterway to Beaufort, S. C 557
Waterway to Fernandina, Fla 557
Schooner Bayou, La 736
Schooner Bayou to Vermilion River, La 734
Schuylkill River, Pa 331
Scuppernong River, N. C 476
Seattle Harbor, Wash 1198
Seattle, Wash., engineering district 1177
Seekonk (Pawtucket) River, R. I 95
Shallotte River, N. C 523
Shallowbag Bay, N. C 478
Sheboygan Harbor, Wis 929
Sheepshead Bay, N. Y 155
Shelldrake Harbor, Mich. (*See* Table No. 6) 11
Shelter Island Sound, N. Y 253
Ship Island Harbor and Pass, Miss. (Gulfport) 706
Shoal Harbor, N. J 310
Shooters Island Channel, N. Y. and N. J 298
Shreveport, La., to Jefferson, Tex., waterway 796
Shrewsbury River, N. J 312
Siuslaw River, Oreg 1151
Skagit River, Wash 1211
Skamokawa Creek, Wash 1172
Skykomish River, Wash., Puget Sound and tributaries 1185

Digitized by Google

Page.
Slaughter Creek, Md. 401
Smiths Creek, N. C. 491
Smyrna River, Del. 357
Snake River, Idaho, Oreg., and Wash. 1149
Snohomish River, Wash. 1210
Puget Sound and tributaries. 1185
Snoqualmie River, Wash. (Puget Sound and tributaries). 1185
South Chicago Harbor, Ill. 974
South Haven Harbor, Mich. 941
South Pass, Mississippi River. 1292
Southold Bay, N. Y. 256
Southport Harbor, Conn. 122
South River, N. C. 485
South River, N. J. 305
Southwest Pass, Mississippi River. 1292
Stamford Harbor, Conn. 118
Staten Island-New Jersey Channels. 298
Staten Island Sound (Arthur Kill), N. Y. and N. J. 280
Steele Bayou, Miss. 812
Stilaguamish River, Wash. (Puget Sound and tributaries). 1185
Stone. 38
Stonington Harbor, Conn. 101
Sturgeon Bay and Lake Michigan Canal, Wis. 919
Sugar. 38
Suisun Bay Channel, Calif. 1112
Suisun Creek or Channel, Calif. 1113
Sunflower River, Miss. (Big Sunflower River). 811, 813
Superior Bay and Harbor, Wis. 886
Susquehanna River, Pa. and Md. 383
Suwannee River, Fla. 621
Swan Quarter Bay to Deep Bay, N. C., waterway. 481
Swift Creek, N. C. 493
Swinomish Slough, Wash. 1213

T.

Table of contents. III
Tacoma Harbor, Wash. 1192
Tallahatchie River, Miss. 810
Tampa Bay and Harbor, Fla.:
Bay. 621, 625
Channel to Clearwater Harbor. 617
Hillsboro Bay and River. 621, 625, 630
Tangier Channel, Va. 417
Tar River, N. C. 482
Tarrytown Harbor, N. Y. 225
Taunton River, Mass. (*see also* Fall River, Mass.). 87
Tchula Lake, Miss. 809
Teche Bayou, La. 728
Keystone Lock. 730
Waterway from Franklin to Mermentau. 733
Waterway from Vermillion River to Schooner Bayou. 734
Waterway to Mississippi River. 733
Tennessee River:
Above Chattanooga. 843
Below Riverton. 837
Chattanooga to Florence, (except Browns Island). 844
Colbert Shoals Canal. 849
Florence to Riverton. 847
Hales Bar Lock. 848
Muscle Shoals Canal. 852
Tensas River, La. 800
Terrebonne Bayou, La. 724
Texas City Harbor, Tex. 752
Thames River, Conn. 105
New London Harbor. 103
Thimble Shoal, Chesapeake Bay, Va. 450

Digitized by Google

Page.
Thomaston Harbor, Me 45
Thoroughfare Bay to Cedar Bay, N. C 497
Three Mile Creek, Ala 714
Thunder Bay Harbor and River, Mich 1007
Tickfaw River, La., including tributaries 719
Tilghman Island Harbor, Md 391
Tillamook Bay and Bar, Oreg 1143
Tiverton Harbor, R. I 126
Toledo Harbor, Ohio 1023
Tombigbee River, Ala. and Miss.:
Below Demopolis, Ala 699
Demopolis, Ala., to Walkers Bridge, Miss 702
Toms River, N. J 351
Tonawanda Harbor, N. Y 1055, 1061
Town River, Mass 77
Traverse City Harbor, Mich 968
Traverse Lake, Minn. and S. Dak 827
Tred Avon River, Md 393
Trent River, N. C 495
Trenton, N. J 315
Trinity River, Tex 765, 793
Troy Lock and Dam, Hudson River, N. Y 242
Tuckahoe River, Md 398
Tuckerton Creek, N. J 349
Tug Fork, Big Sandy River, W. Va. and Ky 874
Turtle Bayou, Tex 766
Turtle Cove, Tex., waterway via 775
Twitch Cove and Big Thoroughfare River, Md 416
Two Rivers Harbor, Wis 925
Tyaskin (Wetipquin) Creek, Md 406

U.

Umpqua River, Oreg 1153
Union Lake, Wash., waterway via 1207
Upper Bay, New York Harbor, N. Y 156
Upper Chipola River, Fla 645
Upper White River, Ark 822
Urbanna Creek, Va 424

V.

Vancouver, Wash 1157
Vancouver to The Dalles, Wash 1150
Velasco to Old Washington, Tex 777
Vermilion Bayou, La., channel, bay, and passes 737
Vermilion Harbor, Ohio 1031
Vicksburg, Miss.:
Engineering district 797
Harbor (*see also* Yazoo River at mouth) 813, 1290
Victoria, Tex., channel to Aransas Pass 773
Victoria, Tex., to Guadaloupe River 773
Virginia Coast Waterway 368

W.

Wabash River, Ind. and Ill 879
Waccamaw River, N. C. and S. C 528
Waddington, N. Y 1083
Wallabout Channel, N. Y 191
Wappinger Creek, N. Y 228
Wappoo Cut, S. C 542
Warren River, R. I 122
Warrior River, Ala 696
Warroad Harbor and River, Minn 903
Warwick River, Md 398
Washburn Harbor, Wis. (*see* Table No. 6) 11
Washington Bayou and Lake, Miss 812

Digitized by Google

Page.
Washington, D. C.:
Anacostia River at 431
Engineering district 418
Potomac River at 418
Washington Lake, Wash., waterway to Puget Sound 1207
Waterways:
See also Canals.
Beaufort, N. C.—
Waterway to Norfolk 467
Waterway to New River 503
Beaufort, S. C., to St. Johns River, Fla 557
Beaufort to Jacksonville, N. C 503
Calcasieu River to Sabine River, La 735
Charleston to Winyah Bay, S. C 533
Chesapeake Bay to Delaware River, Del. and Md. (Chesapeake and Delaware Canal) 355
Clearwater Bay to Boca Ceiga Bay, Fla 617
Core Sound to Beaufort Harbor, N. C 501
Delaware Bay, Del.—
Waterway to Chincoteague Bay, Va 367
Waterway to Rehoboth Bay, Del 366
Galveston to Corpus Christi 775
Galveston to Houston, Tex 757
Jefferson, Tex., to Shreveport, La 796
Keweenaw Bay to Lake Superior, Mich 895
Mississippi River to Bayou Teche, La 733
Mississippi River to Sabine River 735
Franklin, La., to Mermentau River 733
Mermentau River to Sabine River, La 735
Vermilion River to Schooner Bayou, La 734
New River, N. C., to Swansboro and Beaufort 503
Norfolk, Va., to Beaufort Inlet, N. C 467
Norfolk, Va., to sounds of North Carolina 465
Pamlico Sound, N. C., to Beaufort Inlet 467
Port Townsend Bay to Oak Bay, Wash 1226
Puget Sound to Lake Washington 1207
Savannah, Ga., to Beaufort, S. C 557
Savannah, Ga., to Fernandina, Fla 557
Swan Quarter Bay to Deep Bay, N. C 481
Thoroughfare Bay to Cedar Bay, N. C 497
Virginia coast waterway 368
Waukegan Harbor, Ill 938
Wenona, Deal Island, Md. (lower thoroughfare at) 409
Westchester Creek, N. Y 137
West Galveston Bay and Brazos River Canal, Tex 771
Westport Harbor, Conn 116
West River, Conn 109
Wetipquin (Tyaskin) Creek, Md 406
Weymouth Back River, Mass 79
Weymouth Fore River, Mass 77
Whatcom (Bellingham) Harbor, Wash 1217
Wheeling, W. Va., engineering district 867
Wickford Harbor, R. I 123
White Lake Harbor, Mich 951
White River, Ark 816, 822
Wicomico River, Md 407
Willamette River, Oreg 1157
Above Portland 1166
At the falls 1175
Below Portland 1157
Willapa Harbor and River, Wash 1177
Wilmington, Calif., inner harbor 1090
Wilmington, Del., engineering district 336
Wilmington Harbor, Del 353
Wilmington, N. C.:
Engineering district 476
Harbor 513

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Page.
Winyah Bay, S. C., waterway to Charleston 525
Wishkah River, Wash 1232
Wihtlacoochee River, Fla 620
Wolf River, Miss 710
Woodbridge Creek, N. J 296
Woodbury Creek, N. J 337

Y.

Yamhill River, Oreg 1166. 1176
Yaquina Bay, Harbor, and River, Oreg.:
  Bay and harbor 1142
  River 1141
Yazoo River, Miss.:
  Above mouth 807
  At mouth, including Vicksburg Harbor 813
Yonkers, N. Y 261
York River, Va 429
Youghiogheny River, Pa 865
Yukon River, Alaska (Apoon mouth) 1237

Z.

Zippel Bay, Minn 905

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